

777ND

LOG Book #1

AIRCRAFT LOG
AF5-1

AIRCRAFT DESCRIPTION

MANUFACTURER Cirrus Design MODEL SR20 DATE OF MFG. 2002

SERIAL NUMBER 1258 REGISTRATION NUMBER N77ND

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

[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

INSTALLED EQUIPMENT

[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.
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Life Limited Parts SR20

PART NAME	PART NUMBER	EXPIRES					
CAPS Rocket Motor	15047-001	S/N 00594	08/2012			9-25-2002	5TCR105B
CAPS Parachute	15046-001	S/N 000259	08/2012			9-25-2012	5TCR105B
CAPS Reefing Line	5212	70302002-008	04/2005			2284.7	5TCR105B
Cutters		LOT					
ELT Batteries	MNI1300	Date Installed 08/2002	03/2008				
Turn Coordinator/Roll Computer Batteries	MNI1604	Date Installed 09/2002	09/2003				

Life Limited Parts SR20

PART NAME	PART NUMBER	EXPIRES					
CAPS Rocket Motor	25363-001	S/N: 0968	10/2022				
CAPS Parachute	15046-001S	S/N: 00272	10/2022				

A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.

Searched AD's through bi-weekly issue 2002-1. All AD's are in compliance at this time.

MI-6
145



F.A.R. 91.411

[illegible]

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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Date	Make/Model	Hour Meter	Total Time	Registration	Serial Number
3-29-06	CIRRUS SR20	199.7	1207.8	N777ND	1258

- Installed software upgrade 053-00180-100 Rev 00 in MFD P/N 700-00004-xxx-0 S/N 1335 IAW Avidyne S/B 601-00004-030.

MAINTENANCE RELEASE: The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service Details on file at this agency on Work Order # 4615.

Signed: Ken Bra, for Quest Aviation, Inc. CRS # OW5R108N, 4440 E. Hwy 12, Aberdeen, SD Phone (605) 225-8008



THE TRANSPONDER (S) IDENTIFIED BELOW HAVE BEEN INSPECTED AND MEET ALL REQUIREMENTS CONTAINED IN FAR 91.413 AND FAR 43 APPENDIX (F).

NO. 1 MODEL Garmin GTX327 S/N 83707422
 NO. 2 MODEL N/A S/N N/A
 ENCODER ACK A-30 S/N 80574

I CERTIFY THAT THE ALTIMETER (S), ALT. REPORTING AND STATIC SYSTEM TEST REQUIRED BY FAR PART 91.411 AND FAR 43 APPENDIX (E) HAVE BEEN PERFORMED. THE ALTIMETER (S) WERE TESTED TO:

NO. 1 30,000 FEET ON DATE 9-14-2006
 MODEL 12731-001 S/N 428012
 NO. 2 N/A FEET ON DATE N/A
 MODEL # N/A S/N NA

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. DETAILS ON FILE AT THIS AGENCY.

WORK ORDER # 4756 DATE 9-14-2006 RETEST DUE 9-2008
 SIGNED Mark Lehrkamp CERTIFICATE # 2419033
 QUEST AVIATION 4440 EAST HWY 12 ABERDEEN, SD 57401

RADIO & ELECTRONIC CHECKS

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
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ALTIMETER SCALE ERROR

DATE 9-14-2006



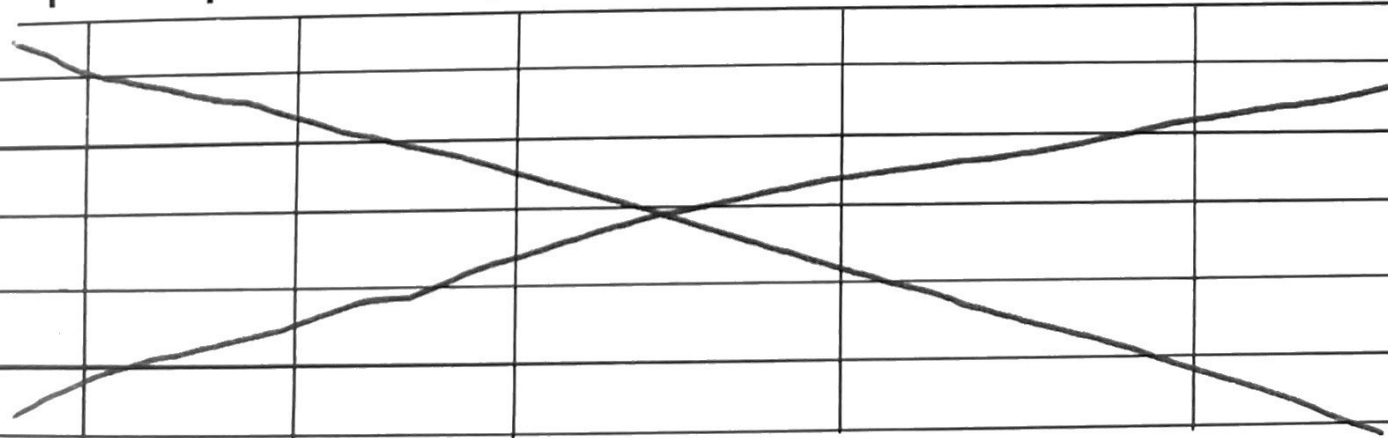
UNITED

Nomenclature 12731-001

SERIAL NO. 428012

ALTIMETER PRESSURE

Test PT (ft)	Indicator Readings at +25* C	Test PT (ft)	Indicator Readings at +25* C	Test PT (ft)	Indicator Readings at +25* C
-1000	-20	6,000	-0-	22,000	+35
0	-0-	8,000	+5	25,000	+50
500	+10	10,000	+10	30,000	+30
1,000	-0-	12,000	+15	35,000	
1,500	+10	14,000	+15	40,000	
2,000	+20	16,000	+20	45,000	
3,000	+20	18,000	+5	50,000	
4,000	+20	20,000	+30		



RADIO & ELECTRONIC CHECKS

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.

"Airframe Log"

Great Planes Avionics Services, Inc.

47008 Great Planes Place, Lincoln County Airport
Tea, South Dakota 57064 CRS# GUR842X

Date	Make	Model	Tac/Hobbs	Registration	Serial Number
03/13/08	Cirrus	SR20	1666.7	N777ND	1258

Removed GNS 430 P/N: 011-00280-10, S/N: 97110592 and S/N: 97110738. Returned units to manufacturer for factory WAAS upgrade to P/N: 011-01060-40. Upon return of upgraded units, reinstalled GPS#1 in aircraft using the provisions left behind from the standard 430 unit in accordance with STC #: SA01933LA. Reinstalled GPS #2 in aircraft using the provisions left behind from the standard 430 unit. As to previous installation #1 GNS430W unit was interfaced to existing Sandel SN3308 EFIS, S-Tec 55x AutoPilot, and Avidyne FlightMax MFD. #2 GNS430W unit was interfaced to existing GI-106A Indicator and is installed with provisions for future WAAS update IAW Cirrus Service Bulletin SB 2X-34-23 RX Revised 29 Jan. 2008. (#2 GPS has been placarded for Non-Pression Approach.) Installed Garmin GA-35 GPS/WAAS antenna for #2 GPS, S/N: 34732 at F/S: 110.3. Annunciator wiring for Sandell EHSI and an individual Integrity light were installed. Installation of #1 GNS430W was done IAW Garmin STC Upgrade Installation Manual P/N: 190-00357-06 Rev B dated 1/3/07 and STC No. SA01933LA. Ground checks were performed IAW Garmin 400W Series Installation Manual P/N:

190-00356-02 Rev A, Section 5.5, Dated November 2006.

MAINTENANCE RELEASE: The aircraft, airframe, appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under:


W.O.#:

1200

Date:

3/13/2008

Signed:



Darrell J. Gilmore

RADIO & ELECTRONIC CHECKS

DATE

TOTAL

EQUIPMENT

TYPE OF

ERROR OR

NEXT CHECK

CHECKED BY:
NATURE — CERT. NO.



4440 EAST HWY 12 ABERDEEN, SD 57401 FAA CRS OW5R108N

THE TRANSPONDER (S) IDENTIFIED BELOW HAVE BEEN INSPECTED AND MEET ALL REQUIREMENTS CONTAINED IN FAR 91.413 AND FAR 43 APPENDIX (F).

NO. 1 MODEL GTX 327 S/N 83707422
ENCODER ACK A-30 S/N 80574

I CERTIFY THAT THE ALTIMETER (S), ALT. REPORTING AND STATIC SYSTEM TEST REQUIRED BY FAR PART 91.411 AND FAR 43 APPENDIX (E) HAVE BEEN PERFORMED. THE ALTIMETER (S) WERE TESTED TO:

NO. 1 20,000 FEET ON DATE 5-13-2009
MODEL 12731-001 S/N 428012

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. DETAILS ON FILE AT THIS AGENCY.

WORK ORDER # 5850 DATE 5-13-2009 RETEST DUE 5-13-2011

SIGNED Blake Braun CERTIFICATE # OW5R108N

ALTIMETER SCALE ERROR

DATE 5-13-2009



12731-001


Nomenclature

SERIAL NO. 428012

ALTIMETER PRESSURE

Test PT (ft)	Indicator Readings at +25* C	Test PT (ft)	Indicator Readings at +25* C	Test PT (ft)	Indicator Readings at +25* C
-1000	-10	6,000	+15	22,000	
0	+10	8,000	-5	25,000	
500	+5	10,000	-20	30,000	
1,000	-0-	12,000	-40	35,000	
1,500	+15	14,000	-35	40,000	
2,000	+15	16,000	-40	45,000	
3,000	+5	18,000	-35	50,000	
4,000	+5	20,000	-50		

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
		 <p>LOG BOOK ENTRY DATE: 10/14/2002 MAKE: CIRRUS TOTAL TIME: 5.4 N#: N777ND MODEL: SR20 HOBBS TIME: 5.4 S/N: 1258</p> <p>Cleaned aircraft IAW standard maintenance practices. Repaired multiple minor paint, decal, and cleanliness issues IAW cirrus mm chapter 51-30, 12-20, and standard maintenance practices. Removed and replaced bolster panel with new P/N 14637-003 S/N 022 IAW cirrus mm chapter 24-50. Installed new NLG strut fairing P/N 12447-401 IAW cirrus mm chapter 32. Lubricated R/H door pins IAW standard maintenance practices. Cleaned and lubricated control yoke rollers IAW standard maintenance practices</p> <p><i>The work identified above was performed in accordance with the current Federal Aviation Regulation and was found to be airworthy for return to service. Pertinent details are on file at this agency under;</i></p> <p>W/O#: 100402-03 DATED: 10-14-02</p> <p>SIGNED <u><i>Casuy Komank</i></u></p> <p>Cirrus Design Factory Service Center, CRS# YD5R855Y, 4515 Taylor Circle, Duluth, MN 55811</p>	

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COM	AIRCRAFT TIME	DESCRIPTION OF WORK PERFORMED	AGENCY & CERTIFICATE NO.	SERVICE
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GRAND FORKS INTERNATIONAL AIRPORT
2467 AIR CARGO DRIVE • GRAND FORKS, ND 58203

Air Frame Logbook Insert

Date: 7/28/2004, Aircraft: 777ND, Type: CIRRUS DESIGN, S/N: 1258, Hobbs: 0.0, Tach: 0.0, Total Time: 0.0

hobbs 197.0

c/w s.b. 2x-25-08, s.b. 2x-32-08r1, s.b. 2x-95-07, resealed lower wing fuel panel, leak check o.k.

7/28/04
2654389 AP

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



GRAND FORKS INTERNATIONAL AIRPORT
2467 AIR CARGO DRIVE • GRAND FORKS, ND 58203

Air Frame Logbook Insert

Date: 6/ 2/2004, Aircraft: 777ND, Type: CIRRUS DESIGN, S/N: 1258

hobbs 154.4

repaired damaged bondo on rudder fairing.

W. Shad 2659389AP

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COM	AIRCRAFT TIME	DESCRIPTION OF WORK PERFORMED	AGENCY & CERTIFICATE NO.
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GRAND FORKS INTERNATIONAL AIRPORT
2467 AIR CARGO DRIVE • GRAND FORKS, ND 58203
Air Frame Logbook Insert

Date: 7/28/2004, Aircraft: 777ND, Type: CIRRUS DESIGN, S/N: 1258, Hobbs: 0.0, Tach: 0.0, Total Time: 0.0

hobbs 197.0

c/w s.b. 2x-25-08, s.b. 2x-32-08r1, s.b. 2x-95-07, resealed lower wing fuel panel, leak check o.k.

W. S. Allen
2659389 HP

SERVICE

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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GRAND FORKS INTERNATIONAL AIRPORT
2467 AIR CARGO DRIVE • GRAND FORKS, ND 58203
Air Frame Logbook Insert

Date: 6/2/2004, Aircraft: 777ND, Type: CIRRUS DESIGN, S/N: 1258

hobbs 154.4

repaired damaged bondo on rudder fairing.

W. Stahl Z659389A

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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GRAND FORKS INTERNATIONAL AIRPORT
2467 AIR CARGO DRIVE • GRAND FORKS, ND 58203

Air Frame Logbook Insert

Date: 8/5/2004, Aircraft: 777ZND, Type: CIRRIUS DESIGN, S/N: 1258, Hobbs: 219.1, Tach: 219.1, Total Time: 0.0
Removed GTX 327 transponder s/n 83710986 and installed s/n 83707422, ops check good.

Bob Martin
A&P471824633

MAINTENANCE RECORD F.A.R. 43.9

AGENCY & CERTIFICATE NO.

ED TO SERV



GRAND FORKS INTERNATIONAL AIRPORT
2467 AIR CARGO DRIVE • GRAND FORKS, ND 58203

Air Frame Logbook Insert

Date: 9/15/2004, Aircraft: 777ND, Type: CIRRUS DESIGN, S/N: 1258, Hobbs: 225.7, Tach: 225.7, Total Time: 0.0 Completed an Annual inspection IAW a Cirrus Design SR20 annual inspection checklist, complied with a yearly ELT inspection IAW FAR 91.207(d) next due 09/05, replaced turn coordinator batteries, next due 09/05, replaced instrument air filters p/n D9-18-1 and B3-5-1 next due 09/05, AD02-21-02 n/a by s/n, AD02-24-08 n/a by s/n, C/W SB2X-28-02R1 fuel selector shaft no defects noted, AD research completed using IApproach 2004-18.

Bob Martin
A&P4718246331A

I certify that this Aircraft
has been inspected in accordance with
a Annual inspection and
is in an airworthy condition

Bob Martin
A&P 4718246331A

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
3/13/66	101100 Hrs-161.3	Removal Left + RIGHT	John Brown
	101100 Hrs-161.3	Rechecked ENGINE Bumpers + INSTALLED	
		NEW BUMPERS Part # 11759-003 FROM	AP503527135
		CERAMS WITH NEW BOOTS PN AN 3434.	
3/27/66	101100 Hrs-199.2	Removed Sigma-Tek	Mike S
	101100 Hrs-1207.6	Attitude Gyro PN 14149-05-11 SV T810478 AP 2777059	
		and installed overhauled PN 14149-05-11	
		SV T67188M, OP's V good	
		END	

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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Date	Make/Model	Hour Meter	Total Time	Registration	Serial Number
4-28-06	CIRRUS SR20	1262.5 A/C	1209.0	N777ND	1258

Maint Hobbs 248.2

- Complied with Annual Inspection IAW Cirrus Design inspection guide.
- Complied with FAR 91.207(d) by function testing ELT. battery due March 2008.
- Verified S/B 2X-28-04 R1 is complied with. Aluminum tubing is installed over fuel selector shaft.
- Verified S/B 2X-28-02 R2 is complied with fuel selector shaft is purple.
- Complied with S/B 2X-71-11 R1 by installing kit P/N 70136-001 on electrical connectors (1 time).
- Complied with S/B 2X-32-14 on main gear wheel fairings by modifying brake cover and installing kit P/N 70144-001 (1 time).
- Complied with S/B 2X-57-06 R1 on L-R on inboard flap hinge cover by installing kit P/N 16738-101. This is only on inboard hinges at this time.
- Complied with S/B 2X-25-09 on front seat lap belts by installing kit P/N 70086-001 (1 time).
- Complied with S/B 2X-25-17 R1 on crew seat break over pin by installing kit P/N 70130-001 on both crew seats (1 time).
- Complied with owner service advisory SA 06-05 by inspecting door strut rod ends, no defects noted.
- Complied with owner service advisory SA 06-04 by inspecting gap at elevator fairing.
- AD 2006-07-06 is due at 50 hrs in service from 5-11-06.
- Adjusted elevator cable tension to 34#.
- Installed new vacuum relief filter P/N B3-5-1 (100 hour or annual).
- Installed new central vacuum filter P/N 50119-001 (500 hour or annual).
- Installed new 15 x 6 x 6 ply (301-249-006) FCII tire and 15 x 6 tube on right hand main gear. Balanced assembly.
- Installed new 15 x 6 x 6 ply (301-249-006) FCII tire on left hand main gear. Balanced assembly.
- Installed new brake linings P/N 066-14100 on right hand brake assembly.
- Installed new wing walk pad on left hand step.
- Installed new air filter element P/N BA24 (200 hour or annual).
- Installed new batteries for turn and bank (annual).
- Installed new batteries for OAT/clock (24 month).

Inspection maintenance Release: I certify that this Aircraft has been inspected in accordance with Annual inspection and was determined to be airworthy. Details on file at this agency on Work Order # 4628.
Signed: Kevin Brown, for Quest Aviation, Inc. CRS # OW5R108N, 4440 E. Hwy 12, Aberdeen, SD Phone (605) 225-8008

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
4/28/2006	248.6	Washer 11-19 23rd Copeland. Checked with BR Insulation. SLO 2X-25-1721 two missing pins and SLO 12X-25-08. Part 1 was 2X-25-08 R2 on 112-2005 @ 518.° No further Act'd needed	Part 1 was 1721 two missing pins and SLO 12X-25-08 R2 on 112-2005 @ 518.° No further Act'd needed
5-3-06	250.° Moist	Installed new Tenpest Vacuum Pump P/N 443015CC SN 39210. Test run complete - 1's good	Mike S. B.
			AP 2777059

Date	Make/Model	Hour Meter	Total Time	Registration	Serial Number
7-18-06	SR20	1309		N777ND	1258

Maint Hobbs 309.0

- Installed new Flight Custom II 5:00x5x4 ply tire on nose wheel.
- Disassembled nose wheel fork assembly. Installed new washer P/N 50545-001 and assembled IAW maintenance manual requirements.

MAINTENANCE RELEASE: The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 4710.
Signed Mike S. B., for Quest Aviation, Inc. CRS # OW5R108N, 4440 E. Hwy 12, Aberdeen, SD Phone (605) 225-8008

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
7-20-2006	1336	new 6vll Battery	D. Oableny
		602173748	2007010

Date	Make/Model	Hour Meter	Total Time	Registration	Serial Number
8-15-06	SR20	330.0 MAINT	1357.1	N777ND	1258

- Complied with S/B 2X-34-05 R2 by installing transponder grounding plate IAW S/B instructions.
- Complied with S/B 2X-28-04 R1 by installing fuel line shielding kit P/N 70133-001 IAW S/B instructions. Compliance with shielding kit and complied with S/B completes AD 2006-07-06.
- Complied with S/B 2X-27-08 R1 on flight control system by installing new roll cartridge and modified pitch cartridge IAW S/B instructions.
- Replaced chaffed fuel line in center consol with new fuel line P/N 11631-002, leak check good.

MAINTENANCE RELEASE: The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service Details on file at this agency on Work Order # 4126.

Signed: Alan Green, for Quest Aviation, Inc. CRS # OW5R108N, 4440 E. Hwy 12, Aberdeen, SD Phone (605) 225-8008

8-28-06	353.7 Mnt Hobbs	Installed new brushes RN ES4115 in #1 Alt.	
		From Elechastens, Inc. OP's V good.	
		W.D. # 4726 on file @ Quest Aviation, Inc.	
		Mike S. 442777059	
		END	

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

Date	Make/Model	Hour Meter	Total Time	Registration	Serial Number
2-27-07	SR20	396.3 MAINT	1436.2	N777ND	1258

- Installed factory new roll trim servo subassembly P/N 12546-901 S/N H0708. Ops check system IAW Cirrus SR20 maintenance manual. Reinstalled left hand aileron & wing tip.

MAINTENANCE RELEASE: The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service Details on file at this agency on Work Order # 4873.

Signed: Steve Brown, for Quest Aviation, Inc. CRS # OW5R108N, 4440 E. Hwy 12, Aberdeen, SD Phone (605) 225-8008

Date	Make/Model	Hour Meter	Total Time	Registration	Serial Number
5-2-07	CIRRUS SR20	410.2 MAINT	1453.1	N777ND	1258

Maint Hobbs 410.2

- Complied with Annual Inspection IAW Cirrus Design inspection guide.
- Complied with FAR 91.207(d) by function testing **ELT, battery due March 2008.**
- Installed new vacuum relief filter P/N B3-5-1 (100 hour or annual).
- Installed new air filter element P/N BA24 (200 hour or annual).
- Installed new batteries for turn and bank (annual).
- Installed new L/H inboard MLG fairing bracket P/N 17205-001.
- Installed new click-bond fastener P/N 50741-005 on R/H MLG leg.
- Complied with S/B 2X-95-09 R1 by inspecting CAPS strap & installing chaf sleeve P/N 70142-001.
- Complied with S/B A2X-95-10 R2 by installing pickup collar P/N 18748-002 on rocket motor.
- Installed new vacuum check valve P/N IH5-28 S/N 5V7121-1.
- Installed new MIL-6000 vacuum hoses going to vacuum check valve.

Inspection maintenance release: I certify that this Aircraft has been inspected in accordance with Annual inspection and was determined to be airworthy. Details on file at this agency on Work Order # 5207.

Signed: Steve Brown, for Quest Aviation, Inc. CRS # OW5R108N, 4440 E. Hwy 12, Aberdeen, SD Phone (605) 225-8008

Date	Make/Model	Hour Meter	Total Time	Registration	Serial Number
6/27/07	CIRRUS SR20	1480.1 HOBBS	1480.1	N777ND	1258

- Removed fuel sender P/N 12638-002 S/N 1669. Installed new fuel sender P/N 12638-002 S/N 1842. Leak check ok.
- Complied with SB 2X-27-14 by installing rudder aileron interconnect modification kit P/N 70187-001. Checked rigging in accordance with SB 2X-27-14 instructions and checked ok.

MAINTENANCE RELEASE: The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service Details on file at this agency on Work Order # 5264.

Signed: Steve Berg, for Quest Aviation, Inc. CRS # OW5R108N, 4440 E. Hwy 12, Aberdeen, SD Phone (605) 225-8008

7/27/07	443.5 maint 1492.8 TT	Compl'd with SB 2X-27-14 R2 by Renewing washers under screw heads and forging to 50 in lbs, Checked Rigging Twr SB 2X-27-14 Instructions, checked good	END	Steve Berg AP22033347
8-2-07		AD 2007-14-03 Complied with 5-2-07 by installation of P/N 18748-002 Pick up collar in accordance with Cirrus SB 1A2X95-10 R2, Mark Ladd ASEP 503407175	END	
7-5-07	1486.0 TT	Chw SB 2X-53-03 by Installing tail tie down bumper kit P/N 70120-001		Steve Berg AP22033347

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
11-1-07	1586.1	Installed Learner Sandell HSE P/N SN3308-00-BL S/N 1750. Calibrated to compass rose	Don B. B. AP2703397



11-21-07
S/N 1258

N777ND
Maint Hobbs Time 570.1

Cirrus SR20
Total Time 1642.4

Removed oil cooler p/n 8000934 s/n 602-194-627. Installed new oil cooler p/n 8000934 s/n 2089042. Engine was run up and oil cooler leak checked.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 5352 Signed Josh Hartung for Quest Aviation, Inc.

CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008

12-4-07 577.4 M. Hobbs Removed learner sandel & installed
1651.6 B. Hobbs repaired unit P/N SN3308-00-BL
S/N 4357.

AP2777059



01/08/2008
S/N 1258

N777ND
Maint. Hobbs 584.4

Cirrus SR-20
Total Time 1660.5

- * Complied with SB 2X-27-14 R3 by installing kit 7019-001 in accordance with SB 2X-27-14 R3 instructctins.
- * Rigged rudder aileron interconnect to manufactures specs.
- * Complied with SB 2X-78-07 R1 by pressure checking heat exchanger. Next pressure check due 684.4

The aircraft and/or component identified was *repaired/serviced* in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 5500 Signed Josh Hartung *Josh Hartung* For Quest Aviation, Inc.

CRS# OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008



03/03/2008
S/N 1258

N777ND
Maint. Hobbs 588.4

Cirrus SR-20
Total Time 1665.4

Complied with Service Bulletin SB 2X-34-24 R1 by installation of kit 70190-001. Kit was installed as outlined by instructions in SB 2X-34-24 R1.

The aircraft and/or component identified was *repaired/serviced* in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 5559 Signed Josh Hartung *Josh Hartung* For Quest Aviation, Inc.

CRS# OW5R108N

4440 East Hwy 12


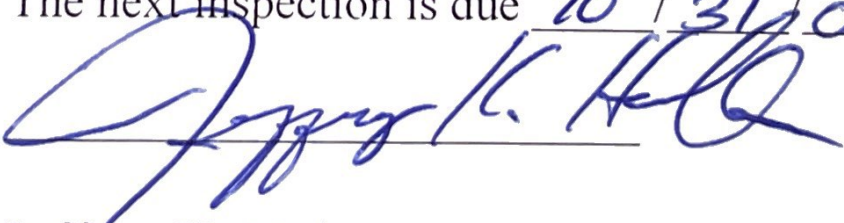
Aberdeen, South Dakota

Phone (605) 225-8008

3-26-08	593.8 maint 1671.8 Flight	Replaced both Reefing line cutters with two new cutters P/N 005212-d Expiration date 02/2014	
4-9-08	596.0	Reinspected autopilot after repair ops tested OK <i>Mark Y</i>	<i>Shawn Beaufort</i> A2703397 A9P305907175

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
26 SEPT 02	5.2	<p>Production Flight Test accomplished in accordance with Cirrus Procedure #90500.</p> <p>Name: Andrew Black Date: <u>26 SEPT 02</u></p> <p>Signature: <u></u></p> <p>Title: Production Flight Test Pilot</p>
10/3/02	5.2	<p>I find that the aircraft meets the requirements for the certification requested and have issued a Standard Airworthiness Certificate dated <u>10 / 3 / 02</u>.</p> <p>The next inspection is due <u>10 / 31 / 03</u>.</p> <p><u></u></p> <p>Jeffrey K. Holter DMIR410073CE</p>

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	



6-11-08
S/N 1258

N777ND
HOBBS 615.2 Maint

Cirrus SR-20
TOTAL TIME 1664.4

AIRFRAME

- * Complied with Annual Inspection IAW FAR 43 Appendix D and the Cirrus Design inspection guide.
- * Complied with FAR 91.207 (D) by function testing of ELT.
- * Installed 8 new Duracell MN1300 batteries in ELT. Next due June, 2009.
- * AD 2008-11-18 complied with by pressure check. No defects noted. Next due @ 715.2 Maint. Hobbs/ 1764.4 Total time
- * Installed 2 new NLG rebound bumpers P/N 14020-001, 4 new washers P/N AN970-5, and new cotter pins.
- * Installed new click-bond retainer studs P/N 50741-005 on both MLG fairing attach points.
- * Replaced right inboard wheel fairing bracket P/N 17205-002
- * Rotated MLG tires
- * Installed new 6.00 X 6 butyl tube in R/H MLG tire.
- * Installed new brake pads P/N 066-14100 with new rivets P/N 105-00200 on both main wheels
- * Installed new AA battery in OAT gauge.
- * Installed 3 new 9V batteries in turn and bank indicator.
- * Installed new vacuum relief filter P/N B-3-5-1.
- * Installed new air filter element P/N BA-24.
- * Installed new #2 essential bus relay.

I certify that this aircraft has been inspected in accordance with Annual inspection and was determined to be airworthy. Details on file at this agency on Work Order # 5628
Signed Mark Lehrkamp for CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008

7-2-08 631.0 Maint * Repaired Pitot tube line at airspeed pressure switch. Leak check system OK.

4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST
2-5-09	714.7		Completed w/ AD 2008-11-18 1740 SB 2X-78-07 on heat exchanger. No discrepancies noted
			Mark G. Zep ADP503907175



5-14-2009
S/N 1258

N777ND
ACTT 1699.5

Cirrus SR-20
Hobbs 739.1

Airframe

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines.
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1.
- AD 2009-05-05 applies to model but is N/A by serial number.
- SB 2X-32-18R2 complied with by inspecting nose gear gussets.
- SB 2X-71-10 R2 complied with by modification of the engine breather.
- Performed 91.411 and 91.413 IFR certification.
- Installed new batteries in the ELT, dated June 2010.
- Complied with FAR91.207 (d) by performing ELT inspection.
- Installed new propeller control P/N 14392-102.
- Installed new prop and throttle control rod ends P/N 11314-003.
- Installed JPI EGT-701 engine analyzer.
- Battery serviced.
- Replaced alternator field wire terminals at the alternator.
- Replaced seals in the pilot and copilot wemac's
- Installed new instrument air filter P/N D9-18-1
- Installed new vacuum relief filter B-3-5-1
- Installed new OAT battery
- Installed new turn and bank batteries.
- Removed rust from the engine mounts and primed and painted

I certify that this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be airworthy. Details on file at this agency on Work Order # 5850
Signed Mark Lehrkamp for Quest Aviation Inc. CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota
Phone (605) 225-8008

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
2-5-09	714.7	Complied w/ AD 2008-11-18 IAW SB 2X-78-07 on heat exchanger. No discrepancies noted <i>Mark Lehrkamp</i> A#P503907175



5-14-2009
S/N 1258

N777ND
ACTT 1699.5

Cirrus SR-20
Hobbs 739.1

Airframe

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines.
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1.
- AD 2009-05-05 applies to model but is N/A by serial number.
- SB 2X-32-18R2 complied with by inspecting nose gear gussets.
- SB 2X-71-10 R2 complied with by modification of the engine breather.
- Preformed 91.411 and 91.413 IFR certification.
- Installed new batteries in the ELT, dated June 2010.
- Complied with FAR91.207 (d) by performing ELT inspection.
- Installed new propeller control P/N 14392-102.
- Installed new prop and throttle control rod ends P/N 11314-003.
- Installed JPI EGT-701 engine analyzer.
- Battery serviced.
- Replaced alternator field wire terminals at the alternator.
- Replaced seals in the pilot and copilot wemac's
- Installed new instrument air filter P/N D9-18-1
- Installed new vacuum relief filter B-3-5-1
- Installed new OAT battery
- Installed new turn and bank batteries.
- Removed rust from the engine mounts and primed and painted

I certify that this Aircraft has been inspected in accordance with an Annual inspection and was determined to be airworthy. Details on file at this agency on Work Order # 5850
Signed Mark Lehrkamp for Quest Aviation Inc. CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota
Phone (605) 225-8008

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

Date: 6-4-2009 N#: 777ND Model: Cirrus SR20 S/N: 1258 Hobbs: 1851.1

Installed Avidyne (C-max charts) in EX-5000 s/n 00001281 in accordance with SB 601-00004-080. ops checked good. Updated both main and gps software in #1 GNS-430w p/n 011-01060-40 s/n 97110738 from 3.0 to 3.2 and Updated both main and gps software in #2 GNS-430w p/n 011-01060-40 s/n 97110592 from 3.0 to 3.2 in accordance with Garmin SB #0848 rev B. ops checked good.

MAINTENANCE RELEASE / RETURN TO SERVICE CRS# K15R981Y

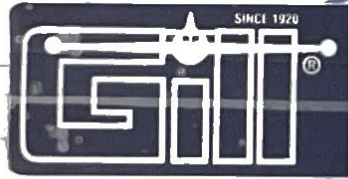
The Aircraft, component, identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of these inspections are on file at this repair station under WO# 1411.

Signed


Park Rapids Avionics CRS # K15R981Y

1-8-10
808.8

Install new ship battery PIN 6-243 S/N G02463074
Function check OK.



G02463074

AP2771059

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




6-1-2010
S/N 1258

N777ND
ACTT 1789.1

Cirrus SR-20
Hobbs 828.7

Airframe

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines.
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1.
- AD 2009-24-52E on the hydraulic lifters is N/A by manufacturer date.
- SB 2X-27-12 R1 on the control play looseness by installation of kit 70124-001
- S/B 2X-32-18 R4 by inspection of the nose gear gusset plate with no discrepancies noted.
- S/B 2X-34-22R2 on the static system complied with by installation of kit P/N 70164-001, Static system checked okay.
- Secured pilots control grip.
- Preformed 91.411 and 91.413 IFR certification.
- Installed new batteries in the ELT, dated June 2011.
- Repaired wiring on the rear of the turn and bank indicator.
- Installed new batteries in the turn and bank indicator,
- Complied with FAR 91.207 (d) by performing ELT inspection.
- Installed new nose wheel bearing and race P/N 08231 and 08125.
- Repaired main gear strut mounts.
- Battery serviced.

I certify that this Airframe has been inspected in accordance with an Annual inspection and was determined to be airworthy. Details on file at this agency on Work Order # 6154 Signed Mark Lehrkamp  for Quest Aviation Inc. CRS # OW5R108N
4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008

03-15-11

904.5 maint hobbs.

Reinstalled fuel flow / MAP instrument after repair.

 AP2777059



4440 EAST HWY 12 ABERDEEN, SD 57401 FAA CRS OW5R108N

THE TRANSPONDER (S) IDENTIFIED BELOW HAVE BEEN INSPECTED AND MEET ALL REQUIREMENTS CONTAINED IN FAR 91.413 AND FAR 43 APPENDIX (F).

NO. 1 MODEL GTX 327 S/N 83707422
ENCODER ACK A-30 S/N 80574

I CERTIFY THAT THE ALTIMETER (S), ALT. REPORTING AND STATIC SYSTEM TEST REQUIRED BY FAR PART 91.411 AND FAR 43 APPENDIX (E) HAVE BEEN PERFORMED. THE ALTIMETER (S) WERE TESTED TO:

NO. 1 20,000 FEET ON DATE 5-26-2011
MODEL 12731-001 S/N 428012

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. DETAILS ON FILE AT THIS AGENCY.

WORK ORDER # 6380 DATE 5-26-2011 RETEST DUE 5-31-2013

SIGNED Blake Braun CERTIFICATE # OW5R108N

ALTIMETER SCALE ERROR

DATE 5-26-2011



12731-001

Nomenclature

SERIAL NO.

428012

ALTIMETER PRESSURE

Test PT (ft)	Indicator Readings at +25* C	Test PT (ft)	Indicator Readings at +25* C	Test PT (ft)	Indicator Readings at +25* C
-1000	+10	6,000	+10	22,000	
0	+5	8,000	+20	25,000	
500	+10	10,000	+15	30,000	
1,000	+10	12,000	+25	35,000	
1,500	+5	14,000	-+10	40,000	
2,000	0	16,000	+25	45,000	
3,000	0	18,000	+20	50,000	
4,000	+15	20,000	+30		

LIST
VING AIRCRAFT FOR 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 DISSAPPROVING AIRCRAFT FOR SERVICE
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7-8-2011
S/N 1258
N777ND
Hobbs 942.2
Cirrus SR-20
ACTT 1902.6

- Airframe
- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines.
 - AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1.
 - SB 2X-52-04 R2 on the door struts complied with by installation of kit P/N 70151-001.
 - SB 2X-27-16 R1 on the flap system by installation of 70255-002
 - Complied with FAR 91.207 (d) by performing ELT inspection.
 - Installed new batteries in the ELT, dated June 2011.
 - Main landing gear trunion inspected and hardware replaced as needed.
 - Installed new brake pads on the left and right brakes.
 - Installed new seals on the brake caliper pistons.
 - Replaced wellnut on the left landing gear
 - Engine controls inspected and lubricated.
 - Battery serviced.

I certify that this Airframe has been inspected in accordance with an Annual Inspection and was determined to be airworthy. Details on file at this agency on
 Work Order # 6400 Signed Kevin Braun Kevin Braun 4440 East Hwy 12 Aberdeen, South Dakota for Quest Aviation Inc.
 CRS # OW5R108N Phone (605) 225-8008



2-6-2012
S/N 1258
N777ND
Hobbs Time 1025.7
Cirrus SR20
Total Time 1986.1

- Installed new seal in the #2 alternator.
- Lubed propeller and throttle cable.
- Ground run preformed with no discrepancies noted.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on
 file at this agency on Work Order # 6566 Signed Mark Lehrkamp _____ for Quest Aviation INC.

INSPECTION RECORD

F.A.R. 43.11-91.409



5-8-2012
S/N 1258

N777ND
Hobbs 1044.1

Cirrus SR-20
ACTT 1998.7

Airframe

- Installed new tire in the left main landing gear P/N 301-249-006 S/N 11882151 and tube P/N 302-246-401.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 6617 Signed Mark Lehrkamp _____ for Quest Aviation INC.
CRS # OWSR108N
4440 East Hwy 12
Aberdeen, South Dakota
Phone (605) 225-8008



5-23-2012
S/N 1258

N777ND
Hobbs 1048.7

Cirrus SR-20
ACTT 2009.1

Airframe

- Installed new roll trim motor P/N 12546-0035, S/N H1187.
- Function check no discrepancies noted.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 6625 Signed Mark Lehrkamp _____ for Quest Aviation INC.
CRS # OWSR108N
4440 East Hwy 12
Aberdeen, South Dakota
Phone (605) 225-8008



6-25-2012
S/N 1258

N777ND
Hobbs 1048.7

Cirrus SR-20
ACTT 2009.1

Airframe

- Installed new autopilot controller P/N 01192-4-53-30P, S/N 4408.
- Function check no discrepancies noted.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 6644 Signed Mark Lehrkamp _____ for Quest Aviation INC.
CRS # OWSR108N
4440 East Hwy 12
Aberdeen, South Dakota
Phone (605) 225-8008

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST
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Quest
AVIATION, INC.

7-13-2012
S/N 1000156

N777ND
Hobbs Time 1077.2

TCM IO-360ES6
TSMOH 338.1

Airframe

- Installed new race and bearing and greased on nose wheel

The aircraft and/or component identified was *repaired/serviced* in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 6654 Signed Mark Lehkamp for Quest Aviation Inc. CRS # OW5R108N 4440 East

Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008

Quest
AVIATION, INC.

8-8-2012
S/N 1258

N777ND
Hobbs 1091.3

Cirrus SR-20
ACTT 2051.7

Airframe

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines.
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1.
- AD 2010-13-10 on the propeller governor is N/A by serial number.
- AD 2011-26-07 on the magneto is N/A by model.
- AD 2012-03-06 on the fuel servo is N/A effected part is not installed.
- Complied with FAR 91.207 (d) by performing ELT inspection.
- Installed new batteries in the ELT, dated August 2013.
- Installed new brake disc's on the left and right wheels P/N 164-24400.
- Installed new right main tire P/N 301-249-006 S/N 12552023 and a new tube P/N 092-315-0.
- Replaced wellnut on the left landing gear.
- Battery serviced and tested.
- Engine controls inspected and lubrlicated.

I certify that this *Airframe* has been inspected in accordance with an Annual Inspection and was determined to be airworthy. Details on file at this agency on Work Order # 6665 Signed Mark Lehkamp for Quest Aviation Inc. Phone (605) 225-8008

CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota

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

7-14-2012

Inspected aircraft and found safe for ferry flight from BBE to DUE

503407175

MAKE: Cirrus Design Corp

MODEL: SR-20

S/N: 20-1258

REG. NO: N777ND

WORK ORDER:

4812-08-2012

Twin Cities Aviation, Inc.

Repair Station No. 5TCR105B

8891 Airport Rd #A-2

Blaine, Minnesota 55449

Phone: 763-784-9165

DATE: 9/25/2012

AC TSN: 2284.7

HOBBS: 2284.7

Airframe Entries

Removed CAPS cover from aft fuselage. Removed CAPS parachute assembly, P/N: 15046-001 S/N 00259. Installed new parachute assembly, P/N: 15046-001S, S/N 00272. Installed new CAPS cover, P/N: 20091-001, IAW Cirrus SR-20 CMM 95-01-01. Removed rocket assembly P/N 15047-001 S/N 00594. Installed new rocket motor IAW Cirrus SR-20 CMM 95-01-01. New rocket motor assembly P/N: 25363-001, S/N: 0968. Next replacement due October, 2022. Repaired and repainted CAPS cover area of the airframe as needed utilizing techniques and materials as specified in Cirrus SR20 AMM, chapter 51 and standard airframe practices. —CW Cirrus Service Bulletin SB 2X-95-13, CAPS Strap Inspection And Grommet Installation, by installation of strap grommets, P/N MS21266-1N, and P/N MS21266-6N, while parachute was out during parachute re-pack. —Repaired cosmetic damage to nose strut fairing, nose wheel pant and lower engine cowl and painted utilizing techniques and materials as specified in Cirrus SR20 MM, chapter 51 and standard airframe practices. —Repaired and repainted cosmetic damage to the leading edges of the left and right wings and horizontal stabilizer and various areas of the airframe as needed utilizing techniques and materials as specified in Cirrus SR20 MM, chapter 51 and standard airframe practices.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 9/25/2012

SIGNED:



Work Order: 4812-08-2012

Josh Shea
Certified Repair Station No. 5TCR105B

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KIND OF INSPECTION - STATUS & DISCREPANCY LIST

SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

**AIRCRAFT TIME
IN SERVICE**

10-24-2012
S/N 1258

N777ND Hobbs 1114.3

Cirrus SR-20
ACTT 2074.7

Airframe called 2 new RHB-385 spark plugs on #4 cylinder.

- Installed 2 new KID.
- Function check no discrepancies noted.
- Function check was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at _____ for Quest Aviation INC.

The aircraft and/or component
this agency on Work Order # 6714 Signed Mark Lehmkamp
CRS # OV5R108N 4440

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008

3-26-2013
S/N 1258

N777ND
Hobbs 1163.4

Cirrus SR-20
ACTT 2123.8

Airframe
called new Tach sensor P/N 12323-001.

- Installed new IACH sensor. Function check no discrepancies noted. Function check no discrepancies noted. Details on file at [redacted] for Quest Aviation INC.

The aircraft and/or crew of this agency on Work Order # 6801 Signed Mark Lehrkamp
CRS # OW5R108N 4440

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008

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



5-8-2013
S/N 1258

N777ND

Hobbs 1176.50

Cirrus SR-20
ACTT 2136.9

Airframe

- Installed overhauled #2 Alternator drive coupling assembly P/N 635796, S/N DRK116894 from Drake Air Inc WO# 481415/50004771.
- Installed repaired #2 Alternator P/N 653344, S/N K-039998 from Aerotech of Louisville, Inc WO #106283.
- Function and leak check complete with no discrepancies noted.

The aircraft and/or component identified was *repaired/serviced* in accordance with current Federal Aviation Regulations and is approved for return to service. Details on this agency on Work Order # 6831 Signed Andy Griese *Andy Griese* for Quest Aviation INC.

CRS # OW/SR108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008



6-4-2013
S/N 1258

N777ND

Hobbs Time 1184.9

Cirrus SR20
Total Time 2145.3

- AD2008-11-18 on the muffler completed by pressure check and visual inspection

The aircraft and/or component identified was *repaired/serviced* in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order 6847 Signed Mark Lehrkamp *Mark Lehrkamp* for Quest Aviation INC.

CRS # OW/SR108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008



4440 EAST HWY 12 ABERDEEN, SD 57401 FAA CRS OW5R108N

THE TRANSPONDER (S) IDENTIFIED BELOW HAVE BEEN
INSPECTED AND MEET ALL REQUIREMENTS CONTAINED
IN FAR 91.413 AND FAR 43 APPENDIX (F).
I CERTIFY THAT THE ALTIMETER (S), ALT. REPORTING
AND STATIC SYSTEM TEST REQUIRED BY FAR PART
91.411 AND FAR 43 APPENDIX (E) HAVE BEEN PERFORMED.
THE ALTIMETER (S) WERE TESTED TO:

NO. 1 MODEL GTX 327 S/N 83707422 NO. 1 20,000 FEET ON DATE 6-4-2013
ENCODER ACK A-30 S/N 80574 MODEL 12731-001 S/N 428012

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT
FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. DETAILS ON FILE AT THIS AGENCY.
WORK ORDER # 6847 DATE 6-4-2013 RETEST DUE 6-30-2015
SIGNED Nick Pierson CERTIFICATE # OW5R108N

ALTIMETER SCALE ERROR

DATE 6-4-2013

12731-001

SERIAL NO. 428012

Nomenclature		ALTIMETER PRESSURE			
Test	Indicator Readings	Test	Indicator Readings	Test	Indicator Readings
PT (ft)	at +25* C	PT (ft)	at +25* C	PT (ft)	Indicator Readings at +25* C
-1000	+10	6,000	+30	22,000	
0	+10	8,000	+25	25,000	
500	+20	10,000	+30	30,000	
1,000	+20	12,000	+40	35,000	
1,500	+25	14,000	+20	40,000	
2,000	+25	16,000	+30	45,000	
3,000	+20	18,000	+10	50,000	
4,000	+25	20,000	+20		

AIRCRAFT FOR 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 DISSAPPROVING AIRCRAFT FOR SERVICE



7-30-2013
S/N 1258

N777ND
Hobbs 1195.1

Cirrus SR-20
ACTT 2155.5

Airframe

- Installed inspected #1 alternator P/N ES4024LP S/N H-N021352 from Quality Aircraft Accessories W/O# 20029015.
- Function test complete with no discrepancies noted.

The aircraft and/or component identified was *repaired/serviced* in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file this agency on Work Order # 6881 Signed Andy Griese Andy Griese for Quest Aviation Inc.

CRS # OWSR108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008



9-3-2013
S/N 1258

N777ND
Hobbs 1206.6

Cirrus SR-20
ACTT 2167.0

Airframe

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines.
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1.
- Complied with FAR 91.207 (d) by performing ELT inspection, no discrepancies noted.
- Installed new batteries in the ELT, next due August 2014.
- Battery serviced. capacity 90.9%.
- Installed new brake linings left and right side.
- Installed new bearing P/N 13889 and race P/N 13836 on left hand inboard wheel half.
- Replaced bulb in Sandel SN3308 using kit P/N 90122-IM. Ops checked good. Reset lamp life meter.

I certify that this Airframe has been inspected in accordance with an Annual Inspection and was determined to be airworthy. Details on file at this agency on Work Order # 6899 Signed Andy Griese Andy Griese for Quest Aviation Inc.

CRS # OWSR108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008

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

9-16-2013
S/N 1000156

N777ND
Hobbs Time 1226.6

TCM IO-360-ES16B
TSMIO 487.5



Airframe

- Removed old Tach generator P/N 12630-001 S/N 2209, installed new Tach generator P/N 12323-001 S/N 2270

- Ground run performed with no discrepancies noted.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on

Andy Griese

for Quest Aviation INC.

file at this agency on Work Order # 6908 Signed Andy Griese

Aberdeen, South Dakota

Phone (605) 225-8008

CRS #OW5R108N

12-12-2013
S/N 1258

N777ND
Hobbs Time 1232.6

Cirrus SR-20
ACCT 2193.0



Airframe

- Installed overhauled roll trim motor P/N 12546-003(S) S/N H1334.

- Installed new instrument air filter P/N D9-18-1, next due date Hobbs 1732.6 or 12 months

- Operational check performed with no discrepancies noted.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on

file at this agency on Work Order # 6963 Signed Andy Griese

Andy Griese

for Quest Aviation INC.

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008

CRS #OW5R108N

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST

CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

AIRCRAFT TIME



2-19-2014

S/N 1258

N777ND

Hobbs Time 1235.7

Cirrus SR20
Total Time 2196.1

Airframe

- Installed new gill G243 battery S/N G02805157
- Preformed functional check with no discrepancies noted.

The aircraft and/or component identified was *repaired/serviced* in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 6997 Signed Mark Lehrkamp

CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

for Quest Aviation INC.

Phone (605) 225-8008

09/18/14

Airframe

N777ND

Serial# 1258

ACTT: 1299.7

HOBBS: 1299.7

Installed overhauled vacuum pump P# 215CC S# 160649. Ran aircraft ops and leak check satisfactory.

I CERTIFY, WITH RESPECT TO THE WORK PERFORMED, THAT THIS AIRFRAME IS APPROVED FOR RETURN TO SERVICE. (WO# B1402)


Paul Atwell for CRS# AYTR297X

Aviation Technology Inc.

2900 Moran Ave.

Louisville KY. 40205



INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST
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10-28-2014
S/N 1258

N777ND
Hobbs 1306.5

Cirrus SR-20
ACTT 2266.9

Airframe

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines.
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1.
- Complied with FAR 91.207 (d) by performing ELT inspection, no discrepancies noted.
- Installed new line cutter kit P/N 25347-002, next replacement will be due 10-2020
- Installed new batteries in the ELT, next due October 2015.
- Installed new ELT cover seal
- Battery serviced capacity 90.9%.
- Replaced inner left wheel pant bracket P/N 17205-001.
- Repaired left and right gear fairing.
- Repaired baggage door sill plate.

I certify that this Airframe has been inspected in accordance with an Annual Inspection and was determined to be airworthy. Details on file at this agency on Work Order # 7113 Signed Mark Lehrkamp for Quest Aviation Inc. Phone (605) 225-8008

4440 East Hwy 12

Aberdeen, South Dakota



2-17-2015
S/N 1258

N777ND
Hobbs Time 1337.1

Cirrus SR20
Total Time 2297.5

Airframe

- Installed new tube in the left main tire.
- Installed new turn coordinator batteries..

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 7195 Signed Mark Lehrkamp for Quest Aviation INC. Phone (605) 225-8008

CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008

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
5-15-2015	S/N 1258	N777ND Hobbs Time 1432.9	Cirrus SR20 Total Time 2393.3
5-26-2015	S/N 1258	N777ND Hobbs Time 1432.9	Cirrus SR20 Total Time 2393.3



5-15-2015
S/N 1258

N777ND

Hobbs Time 1432.9

Cirrus SR20

Total Time 2393.3

Airframe

- Lubed throttle, propeller cables and door actuators.
- Replaced valve core in the nose tire and checked service on the rest.
- Heat shield tape place on bottom of cowl

The aircraft and/or component identified was *repaired/serviced* in accordance with current Federal Aviation Regulations and is approved for return to service.

Details on file at this agency on Work Order # 7232 Signed Mark Lehrkamp

for Quest Aviation INC.

CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008



5-26-2015
S/N 1258

N777ND

Hobbs Time 1432.9

Cirrus SR20

Total Time 2393.3

Airframe

- Adjusted low unmetereed fuel pressure and idle mixture to spec,
- Cleaned #6 Cylinder bottom spark plug,
- Ground run preformed and leak check ok

The aircraft and/or component identified was *repaired/serviced* in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 7232 Signed Mark Lehrkamp

for Quest Aviation INC.

CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008

INCIDENTION FORM



4440 EAST HWY 12 ABERDEEN, SD 57401 FAA CRS OW5R108N

THE TRANSPONDER (S) IDENTIFIED BELOW HAVE BEEN INSPECTED AND MEET ALL REQUIREMENTS CONTAINED IN FAR 91.413 AND FAR 43 APPENDIX (F).

I CERTIFY THAT THE ALTIMETER (S), ALT. REPORTING AND STATIC SYSTEM TEST REQUIRED BY FAR PART 91.411 AND FAR 43 APPENDIX (E) HAVE BEEN PERFORMED. THE ALTIMETER (S) WERE TESTED TO:

NO. 1 MODEL GTX 327 S/N 83707422
ENCODER ACK A-30 S/N 80574

NO. 1 20,000 FEET ON DATE 10-1-2015
MODEL 12731-001 S/N 428012

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. DETAILS ON FILE AT THIS AGENCY.
WORK ORDER # 7289 DATE 10-1-2015 RETEST DUE 10-1-2017
SIGNED Nick Pierson CERTIFICATE # OW5R108N

ALTIMETER SCALE ERROR

DATE 10-1-2015

12731-001

SERIAL NO. 428012

Nomenclature		SERIAL NO.	
ALTIMETER PRESSURE		428012	
Test	Indicator Readings	Test	Indicator Readings
PT (ft)	at +25* C	PT (ft)	at +25* C
-1000	-5	6,000	+30
0	+5	8,000	+25
500	+15	10,000	+30
1,000	+15	12,000	+35
1,500	+15	14,000	+35
2,000	+20	16,000	+35
3,000	+25	18,000	+25
4,000	+30	20,000	+10

LEFT FOR 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 DISSAPPROVING AIRCRAFT FOR SERVICE
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10-9-2015
S/N 1258

N777ND
Hobbs 1477.7

Cirrus SR-20
ACTT 2438.1

Airframe

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines.
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1.
- Complied with FAR 91.207 (d) by performing ELT inspection, no discrepancies noted.
- Installed new batteries in the ELT, next due December 2023.
- Battery serviced capacity 98.8%.
- Aileron trim actuator sent in for inspection and test to Globe Motors CRS AJ5R728M
- Pitch trim actuator overhauled by Globe Motors CRS AJ5R728M
- Lower wing to fuselage fairings reattached to aircraft,
- Replaced landing gear upper fairing clips P/N 13641-001
- Replaced right top gear fairing clips P/N 13641-001
- Installed new pilot door snubber grommets P/N 50580-001
- Installed new nose tire P/N 301-015-090 S/N 90431021 and balanced
- Installed new brake linings P/N 066-14100 on the left and right brakes.
- Post inspection run completed with no discrepancies noted.

I certify that this Airframe has been inspected in accordance with an Annual Inspection and was determined to be airworthy. Details on file at this agency on Work Order # 7289 Signed Mark Lehrkamp for Quest Aviation Inc.

CRS # OW5R108N 4440 East Hwy 12

Abysdeen, South Dakota

Phone (605) 225-8008

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST
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3-1-2016
S/N 1258
N777ND
Hobbs Time 1488.2
Cirrus SR20
Total Time 2448.6

Airframe
 Installed new turn coordinator/roll computer batteries replace again 3-2017
 The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 7377 Signed Mark Lehrkamp
 4440 East Hwy 12
 Aberdeen, South Dakota
 Phone (605) 225-8008
 CRS # OW/SR108N


10-14-2016
S/N 1258
N777ND
Hobbs Time 1515.0
Cirrus SR20
Total Time 2476.2

Airframe
 Swapped the ground solenoid with the external power solenoid for troubleshooting
 Secured current sensor ring to multifunction controller
 Ground run performed and leak check ok
 The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 7502 Signed Mark Lehrkamp
 4440 East Hwy 12
 Aberdeen, South Dakota
 Phone (605) 225-8008
 CRS # OW/SR108N

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



11-23-2016
S/N 1258

N777ND
Hobbs 1519.6

Cirrus SR-20
ACTT 2480.0

Airframe

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines.
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1.
- Complied with FAR 91.207 (d) by performing ELT inspection, no discrepancies noted.
- Installed new maintenance Hobbs meter set at 0.
- Inspected and secured the propeller control cable.
- Batteries in the ELT dated December 2023.
- Battery serviced capacity 85%.
- Aileron roll servo P/N 317A410 S/N 1122 overhauled by Globe Motors CRS AJ5R728M
- Repaired left main landing gear fairing and bracket
- Resealed co-pilots windshield.
- Removed the right tank fuel sender and installed new gasket.
- Retorqued fuel line from main tank to header tank.
- Secured the right and left exhaust heat shields.
- Installed new fire extinguisher pin.
- Post inspection run completed with no discrepancies noted.

I certify that this Airframe has been inspected in accordance with an Annual inspection and was determined to be airworthy. Details on file at this agency on Work Order # 7509 Signed Mark Lehrkamp

4440 East Hwy 12




Aberdeen, South Dakota 57401

for Quest Aviation Inc.
Phone (605) 225-8008

CRS # OW5R108N

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		
 Quest AVIATION, INC.	12-30-2016 S/N 1258	N777ND	Cirrus SR20	
		Hobbs Time 0	Total Time 2480.0	
Airframe <ul style="list-style-type: none">• Reversed GPS #1 and #2 units• Cleaned corrosion from Sandel connector and adjusted encoder to be within limits• Functional check completed				
The aircraft and/or component identified was <i>repaired/serviced</i> in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 7537 Signed <u>Mark Lehrkamp</u> for Quest Aviation INC.				
CRS # OW5R108N	4440 East Hwy 12	Aberdeen, South Dakota	Phone (605) 225-8008	
 Quest AVIATION, INC.	6-29-2017 S/N 1258	N777ND	Cirrus SR20	
		Hobbs Time 34.5	Total Time 2514.5	
Airframe <ul style="list-style-type: none">• Lubricated doors and controls• Tires serviced• Removed MFD for repair				
The aircraft and/or component identified was <i>repaired/serviced</i> in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 7627 Signed <u>Mark Lehrkamp</u> for Quest Aviation INC.				
CRS # OW5R108N	4440 East Hwy 12	Aberdeen, South Dakota	Phone (605) 225-8008	
 Quest AVIATION, INC.	7-31-2017 S/N 1258	N777ND	Cirrus SR20	
		Hobbs Time 38.7	Total Time 2518.7	
Airframe <ul style="list-style-type: none">• Reinstalled repaired MFD P/N 700-00004-002 S/N 1281• Functional check completed				
The aircraft and/or component identified was <i>repaired/serviced</i> in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 7537 Signed <u>Mark Lehrkamp</u> for Quest Aviation INC.				
CRS # OW5R108N	4440 East Hwy 12	Aberdeen, South Dakota	Phone (605) 225-8008	

INSPECTION RECORD



4440 EAST HWY 12 ABERDEEN, SD 57401 FAA CRS OW5R108N

THE TRANSPONDER (S) IDENTIFIED BELOW HAVE BEEN INSPECTED AND MEET ALL REQUIREMENTS CONTAINED IN FAR 91.413 AND FAR 43 APPENDIX (F).

NO. 1 MODEL GTX 327 S/N 83707422

ENCODER ACK A-30 S/N 80574

I CERTIFY THAT THE ALTIMETER (S), ALT. REPORTING AND STATIC SYSTEM TEST REQUIRED BY FAR PART 91.411 AND FAR 43 APPENDIX (E) HAVE BEEN PERFORMED. THE ALTIMETER (S) WERE TESTED TO:

NO. 1 20,000 FEET ON DATE 5-14-2018

MODEL 12731-001 S/N 428012

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. DETAILS ON FILE AT THIS AGENCY.

WORK ORDER # 7783 DATE 5-14-2018 RETEST DUE 5-30-2020

SIGNED Nick Pierson CERTIFICATE # OW5R108N

ALTIMETER SCALE ERROR

DATE 5-14-2018



12731-001

Nomenclature		SERIAL NO. <u>428012</u>			
ALTIMETER PRESSURE					
Test PT (ft)	Indicator Readings at +25* C	Test PT (ft)	Indicator Readings at +25* C	Test PT (ft)	Indicator Readings at +25* C
-1000	-10	6,000	+10	22,000	
0	+5	8,000	+10	25,000	
500	+5	10,000	+20	30,000	
1,000	-0-	12,000	+20	35,000	
1,500	+10	14,000	+25	40,000	
2,000	+10	16,000	+25	45,000	
3,000	+10	18,000	+10	50,000	
4,000	+15	20,000	+5		

AIRCRAFT FOR SERVICE

INSPECTION RECORD

F.A.R. 43.11-91.409



5-15-2018
S/N 1258

N777ND
Hobbs 73.2

Cirrus SR-20
ACTT 2553.2

Airframe

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines.
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1.
- Repaired muffler P/N 11885-002 and heat exchanger P/N 11884-003 – Dawley Aviation, Burlington WI CRS# NJ5R069N
- Complied with FAR 91.207 (d) by performing ELT inspection / functional checks in accordance with the FAR and the manufacturers guide lines with no discrepancies noted at this time.
- ELT batteries dated December 2023.
- Main battery serviced and capacity checked (81.4%.)
- Replaced battery cable nipples
- Installed new left and right brake indicators P/N 51698-001
- Replaced left and right main gear fairing well nuts
- Re-secured left main gear fairing mount
- Applied chafe protection on gear fairing
- Installed new pilot's door handle spring P/N 51256-001
- Installed nose gear strut bolts P/N NAS6206-26D, bushings P/N NAS77-8-013, tube spacers P/N 12935-001
- Installed new turn coordinator batteries, next replacement due again 5-2019
- Installed new Halon fire extinguisher Model A344T
- Serviced brake reservoir
- Post inspection run completed with no discrepancies noted.

I certify that this Airframe has been inspected in accordance with an Annual Inspection and was determined to be airworthy. Details on file at this agency on Work Order # 7783 Signed Mark Lehrkamp _____ for Quest Aviation Inc.

CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota 57401

Phone (605) 225-8008

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



11-30-2018
S/N 1258

N777ND
Hobbs Time 73.2

Cirrus SR20
Total Time 2553.2

Airframe

- Installed new battery P/N G243 S/N G029331114

The aircraft and/or component identified was *repaired/serviced* in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 7863 Signed Mark Lehrkamp

CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

for Quest Aviation INC.
Phone (605) 225-8008

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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8-9-2019
S/N 1258

N777ND
Hobbs 104.3

Cirrus SR-20
ACTT 2584.3

Airframe

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines.
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1.
- Complied with FAR 91.207 (d) by performing ELT inspection / functional checks in accordance with the FAR and the manufacturers guide lines with no discrepancies noted at this time.
- ELT batteries dated December 2023.
- Main battery serviced and capacity checked (100.5%.)
- Installed new turn coordinator batteries, next replacement due again Mar 2023
- Serviced brake reservoir
- Post inspection run completed with no discrepancies noted.

I certify that this Airframe has been inspected in accordance with an Annual Inspection and was determined to be airworthy. Details on file at this agency on
Work Order # 7975 Signed Mark Lehrkamp _____ for Quest Aviation Inc.
CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota 57401 Phone (605) 225-8008

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE

AIRCRAFT TIME
IN SERVICE



11-13-2019
S/N 1258

N777ND
Hobbs Time 106.6

Cirrus SR20
Total Time 2586.6

- Installed new pilot & co-pilot carpet P/N SRG1-G2PCCK in compliance with FAR 23.853
- Adjusted idle speed and mixture to spec

Aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on this agency on Work Order # 8021 Signed Mark Lehrkamp for Quest Aviation INC.
4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008

Cross Country Aviation
Cirrus SR20
SN: 1258

N777ND
Hobbs: 121.0
Date: 12-28-2019

Installed a new Garmin GDL82 in line ADS-B out with GPS standard kit PN 010-01560-31, 011-03946-40 SN 4PF006228 IAW the GDL 82 TSO installation manual. Ops check ok. Return to service. End.

Josh Hoffman

A & P 3090168

PDG Services + 670 Ferris Rd., Suite 104 + Lancaster TX 75146

ACFT REG. N777ND HOURS TIME 2017.8 121.8

mtt
cca

The altimeter, transponder & altitude reporting system has been inspected and found to comply with the requirements of FAR 91.411 & 91.413, to an altitude of 20,000 ft. Pertinent details of the certification are on file at this repair station under the work order # 20-0110, dated 1-9-20.



Paul Gardner
CRS G49R038Y

(Authorized Signature)
214-886-5894

1-9-20
(Date)

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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Aircraft Logbook entry for: **N777ND**

See FAA form 337 Dated: **05 March 2020**

Maintenance performed: **DUAL G5 Install HOBBS 131.3 STC SA01818WI**

<p>REMOVED: Sandel SN3308 HSI(P# SN3308-00-BL S# 4357) 3.6 lb Goodrich Flux Detector (Model# FD01-0201-1 S# 7824) 0.4 lb Mid-Continent Directional Gyro(P# 4305-150 S# 07211924) 2.2 lb Sigma Tec Inc Att Gyro (P# 1U149-015-11 S# T71343P) 4.9 lb Tempest Aux Dry Air Pump (M# AA4A2-1 S# 28V-10046) 7.5 lb Rapco Dry Air Pump (P#215CC S#160649) 2.0 lb Airborne Vacuum Manifold (M#1H15-28 S#7121-1) 1 lb Parker Vacuum Regulator (M#2H3-12 S#7AV) 0.4 lb U M A Vacuum Gauge (P#30200-12 S#B4763) 0.1 lb Vacuum Filter (P#AA 109-18-7) 0.5 lb</p>	<p>Installed: Garmin G5 ATT (P# 011-03236-11 S# 4JQ037467). 1 lb Garmin G5 HSI (P# 011-03809-00 S# 4JQ037544). 1lb Garmin GAD 29b (P# 011-03236-11 S# 5DL010750). 0.65 lb Garmin GMU 11 (P# 011-0439-01 S# 56J018614). 0.26 lb</p>
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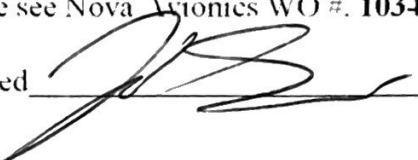
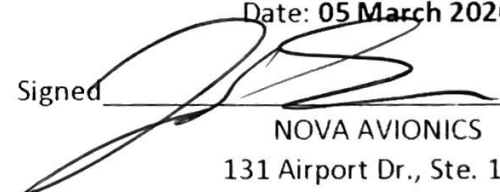
Removed STEC-55X Control Computer (P# 01192-4-53-30P S# 4408) and sent to Flite Electronics (WO# 19493) for KCS-55 input conversion. Removed Vacuum System on Aircraft and installed blocking plate P#SL60430.

CAN-bus termination ends are at the GAD 29b Via Connector P291 pins 9 21 and the GMU 11 Via Termination Adaptor. CAN bus wire routing starts at the GAD 29b to bottom G5 HSI to top G5 ATT following existing wire bundles to the co-pilots side going down through the panel next to the co-pilots set extending to under the rear passenger seat co-pilots side and following existing wires through wing exiting internally mid right wing where the GMU 11 is installed aft of the center Inspection Panel. Installed IAW STC SA01818WI (Garmin G5 Install Manual P# 190-01112-10 Rev.21) and (Garmin G5 Maintenance Manual P#190-01112-11 Rev.6) and (Garmin 400W Series Install Manual P#190-00356-02 Rev.M)

The following documents have been provided to the customer. Garmin G5 Pilots Guide, STC SA01818WI with AML, AFMS P# 190-01112-13 Rev 6, Instructions for Continued Airworthiness and FAA Form 337 dated March 5 2020 and Updated Equipment List and 8130-3 for STEC 55x and revised weight and balance. See 337 for more Details.

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>Work identified was inspected IAW current FAA regulations and found Airworthy for return to service see Nova Avionics WO #. 103464 on file at Repair Station N28R863J</p> <p>Signed  Date: 05 March 2020</p> <p>MAINTENANCE RELEASE</p> <p>The Aircraft, Airframe, or Article Identified was repaired and inspected in accordance with current FAA Regulations and was found airworthy for Return to Service only for the work performed. Pertinent details of the repair are on file at this Repair Station N2SR863J</p> <p>Work Order : 103464</p> <p>Date: 05 March 2020</p> <p>Signed  NOVA AVIONICS 131 Airport Dr., Ste. 114 Midlothian, Texas 76065 Midlothian Regional Airport</p>

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

Aircraft Logbook entry for: **N777ND**

Dated: **12 March 2020**

Maintenance performed; Updated #2 GNS 430 to latest software version 5.4 and WAAS version 5.0 in accordance with service bulletins #1317 Rev B and 1762 Rev A Hobbs 132.5

Work identified was inspected IAW current FAA regulations and found Airworthy for return to service see Nova Avionics WO#103482 on file at Repair Station N28R863J.

Signed



Date **12 March 2020**

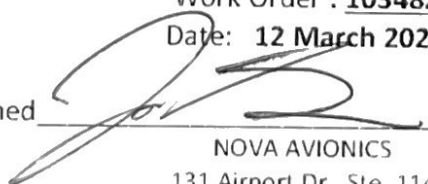
MAINTENANCE RELEASE

The Aircraft, Airframe, or Article Identified was repaired and inspected in accordance with current FAA Regulations and was found airworthy for Return to Service only for the work performed. Pertinent details of the repair are on file at this Repair Station N2SR863J

Work Order : **103482**

Date: **12 March 2020**

Signed



NOVA AVIONICS

131 Airport Dr., Ste. 114

Midlothian, Texas 76065

Midlothian Regional Airport