

Aircraft Record General Information

Manufacturer Cirrus Design Model SR22
Serial 0300 Registration Number N880CD
Date of Manufacture Aug, 2002

Engine(s) currently installed:

Manufacturer Teledyne Cont. Model I0550N7B Serial 686366
Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer Hartzell Model PHC-J3YF-1RF
HUB Model _____ Serial FP1811B Serial _____
Blade Model _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____

Second Log Book
June 2012 ~~June 2012~~ to
~~Sept 2020~~

Registered Owner Record

Name _____ **Address** _____

City _____ State _____ From _____ To _____

Name John Osterhage Address 1501 Ramcast, Pl...

City Hixson State TN From 6/06 To 6/06

Name _____ Address _____

City _____ State _____ From _____ To _____

Name _____ Address _____

City _____ State _____ From _____ To _____

Name _____ Address _____

City _____ State _____ From _____ To _____

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Name _____ Address _____

City _____ State _____ From _____ To _____

Name _____ Address _____

City _____ State _____ From _____ To _____

MODEL: SR22
S/N: 0300
REG. No: N880CD



276 Doug Warpoole Road
Smyrna, TN 37167
615.534.4600

DATE: 6/22/2012
HOURS: 1682.0

Airframe

Maintenance Accomplished:

- Removed parachute P/N 15046-002 and replaced with overhauled P/N 14242-101 S/N 00541-R1 IAW CMM 95-00.
- Next change due June 2022.**
- Removed rocket assy P/N 26601-001 and replaced with new P/N 26601-001. **Next change due June 2022.**
- Complied with SB2X-95-13 CAPS strap inspection and grommet installation IAW SB instructions.

The airframe identified above was inspected and repaired in accordance with the current Federal Aviation Regulations and is approved for return to service only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Order No 21517.

Signed: 

For: Corporate Flight Management, Inc.

Certified Repair Station

FJTR920D

Form CFM 007

Caps Line Cutter Due ~~2/2014~~ ~~4/2020~~ 8/2026
Parachute Due 6/2022

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maintenance re

RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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N880CD

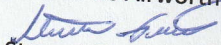
S/N 300

October 5,2013

Hobbs: 1776.3

total: 1776.3

Removed, cleaned, inspected all wheel bearings ,repacked and reinstalled all wheel bearings.
Replaced elt batteries, replacement due 09/2014. Removed the left main wheel, dismounted
the tire, remounted tire and reinstalled wheel. Replaced the standby buss batteries installed
2 each new batteries Cirrus p/n 50979-001. Replaced terminal for the wire at the nbr2
alternator. Replaced the nbr2 Alternator with serviceable alternator p/n BC410-1 S/N
0264429 reference B&C W/O 102978. Number 2 alt. ops and leaks checked good on engine
run. Replaced the right brake caliper temp decal with new decal p/n 51698-001. C/W elt
check per CFR 14 part 91.207(d) no defects noted. All flight control hinges and rod ends
lubed. All AD's current as of this date. I certify that this Aircraft has been inspected in
accordance with an Annual inspection and found to be Airworthy.-end-


Stewart Pruitt 2644624 A&P/IA

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YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Star Avionics, Inc.
108 Nowlin Lane, Hangar 21
Chattanooga, TN 37421
CRS # TA4R537M (423) 499-1100
N880CD S/N: 0300

Hobbs Time: 1795.4

Date: June 26, 2014

On preliminary static leak check, found a 2000+ ft/min. leak; troubleshot system to a worn and leaking static line from the alternate static valve to a junction behind the instrument panel, replaced line. Preliminary transponder and encoder check found transponder off frequency and encoder requiring adjustment; removed the Garmin GTX 327 Transponder (P/N 011-00490-00 S/N 83710376) from aircraft and sent to Garmin for repair. Received repaired transponder and reinstalled in aircraft, performed an encoder adjustment IAW ACK Technologies Model A-30 Altitude Digitizer Operation and Installation Manual (A30M) Rev. 5 dated Oct. 2010. Performed 24 month altimeter inspection as required by FAR 91.411 on the Pilot's Baro Altimeter (P/N 5934D-3 S/N 427125) IAW FAR Part 43 Appendix E, Para (b) to 20,000ft; Altimeter tests are within specification. Performed operational check of the Pressure Static system IAW FAR 91.411 and leak inspection of the Pilots Pressure Static system IAW FAR Part 43 Appendix E, Para (a) to 2,000ft; System checked normal and is within specification. Performed 24 month IFR certification of the Garmin GTX 327 Transponder (P/N 011-00490-00 S/N 83710376) and correlation to the Blind Encoder and the Pilot's Baro Altimeter to 20,000 ft IAW FAR Part 43 Appendix E Para (c), system checked normal and is within specification.

Details are on file at Star Avionics, Inc. under **W.O. # 33077**.

CRS# TA4R537M

Jeffrey K. Miller

YEAR
20
DATE

RECORDING
TACH
TIME

Date: June 26,

On preliminary static
the alternate static
check found trans
(P/N 011-00490-0
reinstalled in aircr
Operation and Ins
required by FAR 9
(b) to 20,000ft; Al
FAR 91.411 and l
System checked n
Transponder (P/N
20,000 ft IAW FA

Details are on file

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1. GTX

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performed on
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For	Error	Tol
-1000	-10	+/-20
0	0	20
500	0	20
1000	0	20
1500	0	25
2000	0	30
3000	0	30
4000	-5	35
6000	-10	40
8000	-20	60
10000	-25	80
12000	-25	90
14000	-20	100
16000	-15	110
18000	0	120
20000	+20	130
22000		140
25000		155
30000		180
35000		205
40000		230
45000		255
50000		280

Star Avionics, Inc.
Repair Station TA4R537M
Lovell Field, Chatt., TN
Phone: (423) 499-1100

Case leak
-18 ft/min
Tol. 100 ft. +/-

Hysteresis
10,000 +20 at 50%
8,000 +20 at 40%
Tol. 75 ft. +/-

Friction
Error

Tol
ft +/-

1k	20	70
2k	25	70
3k	30	70
5k	35	70
10k	35	80
15k	40	90
20k	60	100
25k		120
30k		140
35k		160
40k		180
50k		250

After Effect
+5 ft.
Tol. 30 ft. +/-

Baro Scale

28.10	-1730	-1727
28.50	-1340	-1340
29.00	-960	-863
29.50	-390	-392
29.92	0	0
30.50	+530	+531
30.90	+895	+893
30.99	+975	+974

Tol. 25 ft. +/-

Tested Per F.A.R. Part 43, Appendix E

P/N 59340-3

S/N 427125

W.O. 33077

Aircraft N880CO

Date 6/11/14

Tech

YEAR
20
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

YEAR
20
DATE

MODEL: SR22
S/N: 0300
REG. №: N880CD

CFM
CORPORATE FLIGHT MANAGEMENT

276 Doug Warpoole Road
Smyrna, TN 37167
615.534.4600

DATE: 09/19/2014
TAT: 1813.5
Flight:

Aircraft

Maintenance Accomplished:

Removed and Replaced CAPS Line Cutters for 6 year replacement. Ref. Cirrus CMM 95-00. New line cutters MFG date 9/2014. Line cutter SN installed: 6962 and 6964. *Line cutters due for replacement 9/2020.*

Signed:

Thomas R. Loo

For: Corporate Flight Management, Inc.

Certified Repair Station

FJTR920D

Form CFM 007

N880CD

S/N 300

December 6, 2014

Hobbs: 1819.8

total: 1819.8

Removed upper engine cowling. Removed main aircraft battery. Installed new Concorde battery P/N RG24-11M S/N 40692641 . Reinstalled upper engine cowling. -end-

Stewart Pruitt 2644624 A&P

Stewart Pruitt 2644624 A&P

Alterations
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T: 1813.5
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cutters MFG date 9/2014. Line

Form CFM 007

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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N880CD

S/N 300

January 1, 2015

Hobbs: 1822.9

total: 1822.9

Removed ELT from aircraft. Replaced ELT batteries and reinstalled ELT. ELT ops check good. –
end-



Stewart Pruitt 2644624 A&P

Star Avionics, Inc.

108 Nowlin Lane, Hangar 21

Chattanooga, TN 37421

CRS # TA4R537M (423) 499-1100

Date: January 16, 2015

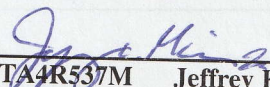
N880CD

S/N: 0300

Hobbs: 1824.2

Customer reported autopilot inoperative, troubleshot system to faulty Turn Coordinator, gained access and removed the Turn Coordinator (P/N 6405-8-28L S/N 13672G) from aircraft and installed replacement Turn Coordinator (P/N 1394T100-14RB S/N G07-10996); performed an operational check of the autopilot system IAW Cirrus Design SR22 FAA Approved Airplane Flight Manual Supplement for the S-Tec System 55X Autopilot with Altitude Selector / Alerter (13772-108) Rev. 3 dated December 07, 2004; system checked normal no faults noted at this time.

Details are on file at Star Avionics, Inc. under W.O. # 33252.


CRS# TA4R537M Jeffrey K. Miller

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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N880CD S/N 300 3/18/2019

Hobbs: 1983.7 Total: 1983.7

Removed, cleaned, inspected all wheel bearings ,repacked and reinstalled all wheel bearings.
Replaced the A/C battery with new Concorde P/N RG24-11M S/N 40996087. C/W elt check
per CFR 14 part 91.207(d) no defects noted. All flight control hinges and rod ends lubed. All
AD's current as of this date. I certify that this Aircraft has been inspected in accordance with
an Annual inspection and found to be Airworthy.-end-

Stewart Pruitt 2644624 A&P/IA

Model: SR22
S/N: 0300
Reg. No: N880CD



Airframe

Maintenance Accomplished:

Complied with Avidyne SB 601-0004-107 Rev 03, updated MFD software to Release 8.2.2.

Complied with Avidyne SB 601-00182-048, updated IFD software to Release 10.2.1.0.A

Configured IFD for WiFi/Bluetooth connected Bluetooth keyboard and Ipad,

Ref: IM PN: 600-00299-000 Rev 17.

The airframe identified above was inspected and repaired in accordance with current Federal
Aviation Regulations and is approved for return to service with respect to the work performed.
Pertinent details of the work performed are on file at this repair station under Work Package No.
CIR1077.

Signed: *Chris B*
For: Contour Aviation

Certified Repair Station No FJTR920D Form CFM.007

Date: 8/15/19
Tach: ---
TAC: ---

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
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N880CD S/N 300

Hobbs: 2012.2

Removed, cleaned, inspected all wheel bearings ,repacked and reinstalled all wheel bearings.
Replaced ELT batteries with new Concorde P/N RG24-11M S/N 40996087. C/W elt check
per CFR 14 part 91.207(d) no defects noted. All flight control hinges and rod ends lubed. All
AD's current as of this date. I certify that this Aircraft has been inspected in accordance with
an Annual inspection and found to be Airworthy.-end-

Model: SR22
S/N: 0300
Reg. No: N880CD

Maintenance Accomplished:

-Removed CAPS line cutters (p/n: 26707-001 s/n: 17741/17589 mfg date 1/17/17)

The components identified above have been inspected and are approved for return to service with only the work performed at this repair station under Work Order #CIR1228.

Signed: *Chris B*
Contour Aviation Maintenance

Alterations

(Number of
specific entries.)

YEAR
20 _____
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Transponder Certification

Merlin's Avionics Service Tel: (615) 305-1186
307 Roberta Drive Hendersonville, Tennessee 37075
FAA CRS #Z6MR586Y MAS Form #3

Work Order No. 6046 Acft.Reg.No. N880CD
Aircraft Type CIRRUS SR22 Txpond Position #1
Txpond P/N# AXP340 S/N# _____

Check Box if Mode S ☒

I certify the ATC Transponder tests and inspections required by
FAR 91.413 were performed this date and found to comply with Part 43,
Appendix F. Details of this inspection are on file at this repair station.

Date 8-9-18

Signed Mah-Ling

YEAR 20 _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
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Merlin's
307 Roberta
FAA

Work Order N
Aircraft Type
Txpond P/N#

I certify the ATC
FAR 91.413 were
Appendix F. Deta
Date 8-9-18
Signed Me

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Number of
ic entries.)

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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N880CD S/N 300 January 26, 2018

Hobbs: 1950.2 Total: 1950.2

Removed, cleaned, inspected all wheel bearings ,repacked and reinstalled all wheel bearings.
C/W elt check per CFR 14 part 91.207(d) no defects noted. All flight control hinges and rod
ends lubed. All AD's current as of this date. I certify that this Aircraft has been inspected in
accordance with an Annual inspection and found to be Airworthy.-end-

Stewart Pruitt
Stewart Pruitt 2644624 A&P/IA

Model: SR22
S/N: 300
Reg. No: N880CD



CONTOUR
AVIATION

693 Fitzhugh Blvd.
Smyrna, TN 37167
615.534.4600

Date: 5/10/2018
Hobbs: 1956.3
Tach: N/A

Airframe

Maintenance Accomplished Major Alteration:

2001- Install Avidyne AXP-340 Mode S ADS-B Transponder The Avidyne AXP340 was installed in compliance With Avidyne
AXP340 Mode S Transponder Installation Manual P/N 600-00308-000 Rev. 03 dated January 2017 and in accordance with STC SA00352B0. See
FAA 337 dated 5/10/18

Items Installed: Avidyne, 200-00247-000, S/N 83710376, AXP340 ADS-B Transponder

Items Removed: Garmin, 011-00490-00, S/N 01295, GTX 327 Transponder

2002- Install Freeflight FDL-978 ADS-B Receiver The Freeflight FDL-978 ADS-B Receiver was installed in compliance with
"Freeflight Installation Instructions for Approved Model List ADS-B System" P/N Capstone-II-0103 Rev. J dated 7/28/2015 and STC SA02426AK The
Avidyne IFD440 was used as the approved GPS position pairing with the Freeflight FDL-978 per "Avidyne IFD5XX & IFD4XX Navigators Installation
Manual" P/N 600-00299-000 Rev.14 dated 3/7/18 and STC SA00343B0. See FAA 337 dated 4/18/18.

Items Installed: Freeflight, 87098-10-FR-10, S/N 1814P256 FDL-978 ADS-B RCVR

The airframe identified above was inspected and repaired in accordance with current Federal Aviation Regulations and is approved for return to
service with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Package No. CIR990.

Signed:
For: *Corporate Flight Management, Inc.*

Certified Repair Station No FJTR920D

Form CFM 007

YEAR
20
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Star Avionics, Inc.

108 Nowlin Lane, Hangar 21

Chattanooga, TN 37421

CRS # TA4R537M (423) 499-1100

Date: May 16, 2017

N880CD

S/N: 0300

Hobbs: 1927.0

Customer reported the Sandel EHSI is inoperative; removed EHSI P/N SN 3308-00 BL S/N 3875 from F.S 114.10 weighing 2.9 lbs from aircraft for repair. Pulled and collard the EHSI circuit breakers and installed placard "EHSI INOP".

Details are on file at Star Avionics, Inc. under W.O. # 33675.

CRS# TA4R537M

Michael Strohl

Star Avionics, Inc.

108 Nowlin Lane, Hangar 21

Chattanooga, TN 37421

CRS # TA4R537M (423) 499-1100

Date: May 31, 2017

N880CD

S/N: 0300

Hobbs: 1928.4

Reinstalled Customers repaired Sandel EHSI P/N SN 3308-00 BL S/N 3875 in aircraft; reset the EHSI circuit breakers and removed placard "EHSI INOP". Performed an operational check of the Sandel EHSI IAW Sandel SN3308 Navigation Display Installation Manual (90106-IM) Rev. J dated July 10, 2008; system checked normal. This aircraft has been inspected in accordance with the above mentioned manual and has been determined to be in an airworthy condition with respect to the work performed.

Details are on file at Star Avionics, Inc. under W.O. # 33675.

CRS# TA4R537M

Jeffrey K. Miller

YEAR
20
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

N880CD

S/N 300

Jan

Hobbs: 1950.2

Total: 1950.0

Removed, cleaned, inspected all wheel
C/W elt check per CFR 14 part 91.207(
ends lubed. All AD's current as of this
accordance with an Annual inspection

Model: SR22
S/N: 300
Reg. No: N880CD



Airframe

Maintenance Accomplished Major Alterations

2001- Install Avidyne AXP-340 Mode S

AXP340 Mode S Transponder Installation Manual P/N
FAA 337 dated 5/10/18

Items Installed: Avidyne, 200-00247-000, S/N 837103;
Items Removed: Garmin, 011-00490-00, S/N 01295, 0

2002- Install Freeflight FDL-978 ADS-B

"Freeflight Installation Instructions for Approved Model
Avidyne IFD440 was used as the approved GPS position

Manual" P/N 600-00299-000 Rev. 14 dated 3/7/18 and
Items Installed: Freeflight, 87098-10-FR-10, S/N 1814

The airframe identified above was inspected and rep
service with respect to the work performed. Pertinent c

Signed:
For: Corporate Flight Management, Inc.

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YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Entries must be endorsed with Name, Rating and Certificate Number Technician or Repair Facility. (See back pages for other specific entries.)
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N880CD S/N 300 December 11, 2016

Hobbs: 1913.7 Total: 1913.7

Removed, cleaned, inspected all wheel bearings ,repacked and reinstalled all wheel bearings.
Replaced the left and right main tires with new Goodyear15/6.00-6 Flt. Special II p/n
156E66B1 and 2 each Michelin Tubes p/n 097-500-0. Left tire s/n 61265884, right tire s/n
61605800. Replaced the left and right nose pant brackets with new brackets p/n 11799-004.
Removed the right brake caliper, cleaned and replaced the o-rings with new 0-rings p/n
m83461/1-222, replaced the right brake linings with new linings p/n RA66-105. Reinstalled
brake caliper and bleed the rt brake. Replaced the right wing tip nav light bulb with new bulb
p/n W1290-28, light ops normal. C/W elt check per CFR 14 part 91.207(d) no defects noted.
All flight control hinges and rod ends lubed. All AD's current as of this date. I certify that this
Aircraft has been inspected in accordance with an Annual inspection and found to be
Airworthy.-end-


Stewart Pruitt 2644624 A&P/IA

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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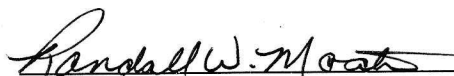
Star Aviation Services
 108 Nowlin Lane, Hangar 21
 Chattanooga, TN 37421
 (423) 499-1100

Date: July 1, 2016 N-880CD M/N SR-22 S/N: 300 Hobbs: 1888.1

Replaced the ground strap from the ground buss to the MCU. Cleaned remaining ground wiring
 At the aircraft ground buss. Ground ran aircraft and ground run was normal. All work and ops
 Tests were performed IAW Cirrus SR-22 AMM.

This aircraft is approved for return to service with respect to the above work performed and with
 Respect to Star Aviation Services W.O. # M6334P.

Details are on file under W.O. # M6334P.


 Randall W. Moats A & P 3336808

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	
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N880CD S/N 300 De

Hobbs: 1913.7 Total: 1913.

Removed, cleaned, inspected all wheels
 Replaced the left and right main tires
 156E66B1 and 2 each Michelin Tubes
 61605800. Replaced the left and right
 Removed the right brake caliper, clean
 m83461/1-222, replaced the right brake
 brake caliper and bleed the rt brake.
 p/n W1290-28, light ops normal. C/V
 All flight control hinges and rod ends
 Aircraft has been inspected in accord
 Airworthy.-end-

Alterations
Number of
ific entries.)

YEAR
20
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Star Avionics, Inc.

108 Nowlin Lane, Hangar 21

Chattanooga, TN 37421

CRS # TA4R537M (423) 499-1100

Date: July 1, 2016

N880CD

M/N SR-22

S/N: 300

A/C Hobbs: 1888.1

The following altimeter system and altitude reporting equipment tests and inspections as required by FAR 91.411, in accordance with FAR 43, appendix E have been performed.

Paragraph (a) Static system to; # 1 to 2,000 ft

Paragraph (b); Altimeter: United P/N 5934D-3 S/N 427125 to 20,000 ft.

Paragraph (c) Integrated system to; # 1 to 20,000 ft.

The ATC transponder system operation checked and meets requirement of FAR 91.413 as prescribed in Appendix F of part 43 on the following;


Transponder- Garmin GTX-327 P/N 011-00490-00 S/N 83710376.

This aircraft is approved for return to service with respect to the above work performed and with respect To Star Avionics, Inc. W.O. # 33722.

Details are on file at Star Avionics, Inc. under W.O. # 33722.

CRS# TA4R537M

Jeffrey R. Miller

<p><i>Star Avionics, Inc.</i> <i>108 Nowlin Lane, Hangar 21</i> <i>Chattanooga, TN 37421</i> <i>CRS # TA4R537M (423) 499-1100</i> N880CD S/N: 0300 Hobbs: 1879.8</p>				
<p>Date: May 17, 2016</p>				
<p>Customer hand carried a Garmin GNS 430 (P/N 011-00280-10 S/N 97103669) for repair. Performed a bench check of the unit and found the unit display whites out after 23 to 30 minutes of operation; sent unit to manufacture for repair. Received unit back from repair and installed in aircraft. Performed configuration and operational check IAW Garmin 400 Series Installation Manual (190-00140-02) Rev. T, June 17, 2010; unit checked normal.</p>				
<p>I certify that this aircraft has been inspected in accordance with the above inspections and was determined to be in airworthy condition.</p>				
<p>Details are on file at Star Avionics, Inc. under W.O. # 33675.</p>				
<p>  CRS# TA4R537M Jeffrey K. Miller </p>				

S
108
C
CRS #
Date: July 1, 2016 **N880CD**

The following altimeter system and altitude
91.411, in accordance with FAR 43, appendix
Paragraph (a) Static system to; # 1 to 2,000 ft

Paragraph (b); Altimeter: United P/N 59341

Paragraph (c) Integrated system to; # 1 to 20

The ATC transponder system operation check
Appendix F of part 43 on the following;
Transponder- Garmin GTX-327 P/N 011-004

This aircraft is approved for return to service
To Star Avionics, Inc. W.O. # 33722.

Details are on file at Star Avionics, Inc. under W

of Inspections, Tests, Repairs and Alterations

endorsed with Name, Rating and Certificate Number of
Repair Facility. (See back pages for other specific entries.)

015

packed and reinstalled all wheel bearings.
hub assy p/n 646845. Alternator p/n is
and leaks check good on engine run. C/W
d. All flight control hinges and rod ends
his Aircraft has been inspected in
be Airworthy. end-

Pruitt 2

Star Aviation Services*108 Nowlin Lane, Hangar 21**Chattanooga, TN 37421**(423) 499-1100***Date: February 5, 2016****N880CD****S/N: 0300****Hobbs Time: 1870.8**

Pilot reported multiple electrical failures; troubleshot electrical system, found corrosion in the MCU. Gained access and removed the MCU 100 (P/N 14600-002 S/N 00831) from aircraft; received new MCU 120 (P/N 16600-011S S/N 00251) direct replacement and installed in aircraft IAW Cirrus Design SR22 and SR22T Aircraft Maintenance Manual Chapter 24. Performed an operational check of the aircraft electrical system IAW Aircraft POH (P/N 13772-001) Rev. A3 dated 10-10-2003, system checked normal.

Details are on file at Star Aviation Services under **W.O. # M6256P**.


Michael Strobl A&P 3328741**YEAR**
20
DA**RECORDING**
TACH
-----**TODAY'S**
FLIGHT**TOTAL**
TIME IN**Description of Inspections, Tests, Repairs and Alterations**

Entries must be endorsed with Name, Rating and Certificate Number of
entries.)

Star Avionics, Inc.*108 Nowlin Lane, Hanger 21**Chattanooga, TN 37421**CRS # TA4R537M (423) 499-1100***Date: February 5, 2016****N880CD****S/N: 0300****Hobbs Time: 1870.8**

Removed Garmin GNS 430 P/N 011-00280-10 S/N 97103669 from aircraft for memory battery change; replaced memory battery (P/N 360-00009-00) IAW Garmin 400 Series Maintenance Manual (190-00140-05) Rev. F, Oct. 2008; performed bench check, unit checked normal. Reinstalled unit in aircraft and performed configuration and operational check IAW Garmin 400 Series Installation Manual (190-00140-02) Rev. T, June 2010, system checked normal no faults noted.

Details are on file at Star Avionics, Inc. under **W.O. # 33591**.


CRS# TA4R537M Jeffrey K. Miller

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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N880CD S/N 300 November 20, 2015

Hobbs: 1866.7 total: 1866.7

Removed, cleaned, inspected all wheel bearings ,repacked and reinstalled all wheel bearings.
Replaced nbr 1 ALT with new Alternator and drive Hub assy p/n 646845 . Alternator p/n is
646843 S/N 009HA054. New alternator ops check and leaks check good on engine run. C/W
elt check per CFR 14 part 91.207(d) no defects noted. All flight control hinges and rod ends
lubed. All AD's current as of this date. I certify that this Aircraft has been inspected in
accordance with an Annual inspection and found to be Airworthy.-end-

Stewart Pruitt
Stewart Pruitt 2

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN
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Date: February 5, 2016

Removed Garmin GNS 430 P/N 011-00280-10 S/
memory battery (P/N 360-00009-00) IAW Garmin
performed bench check, unit checked normal. Rei
check IAW Garmin 400 Series Installation Manual
faults noted.

Details are on file at Star Avionics, Inc. under W.

Star Aviation Services
108 Nowlin Lane, Hangar 21
Chattanooga, TN 37421
(423) 499-1100

Date: February 5, 2016

N880CD

S/N: 0300

Hobbs Time: 1870.8

Pilot reported multiple electrical failures; troubleshot electrical system, found corrosion in the MCU. Gained access and
removed the MCU 100 (P/N 14600-002 S/N 00831) from aircraft; received new MCU 120 (P/N 16600-011S S/N
00251) direct replacement and installed in aircraft IAW Cirrus Design SR22 and SR22T Aircraft Maintenance Manual
Chapter 24. Performed an operational check of the aircraft electrical system IAW Aircraft POH (P/N 13772-001) Rev.
A3 dated 10-10-2003, system checked normal.

Details are on file at Star Aviation Services under W.O. # M6256P.

Michael Strobl
Michael Strobl A&P 3328741

Alterations
Number of
(ic entries.)

YEAR
20

RECORDING
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TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Model: Cirrus SR22
S/N: 300
Reg. No: N880CD



Date: 7-15-15
Hobbs: 1842.0
Flt Time: N/A

Airframe

Maintenance Accomplished:

2002- #1 GNS 430 inop- Troubleshoot to intermittent connection on Essential Avionics power relay K-627. Cleaned and resealed ops check good IAW AMM 24-50.

2003- Update Sandel SN-3308 Software- Updated software on pilots EHSI system IAW Sandel SN3308_2.30_Update_Instructions_B.doc.

Major Alteration:

2001- Upgrade #1 GPS Garmin GNS 430 to Avidyne IFD 440 WAAS IFR compliant installation IAW STCSA003436BO and Avidyne IM P/N 600-00299-000 Rev. 4.

Removed: Garmin, 011-00280-10, GNS 430 Nav Com GPS, S/N 97109924, and Garmin, 011-00134-00, GA 56 Antenna, S/N 59071391.

Installed: Avidyne, 700-00179-0000, IFD 440 Nav Com GPS, S/N M152261116, and Garmin, 013002358-00, GA 35 WAAS Antenna, S/N 106119.

The aircraft identified above was inspected and repaired in accordance with current Federal Aviation Regulations and is approved for return to service only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Order No. CIR759.

Signed:

For: Corporate Flight Management, Inc.

Certified Repair Station

FJTR920D

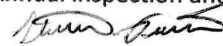
Form CFM 007

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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N880CD S/N 300 November 13, 2014

Hobbs: 1819.8 total: 1819.8

Removed, cleaned, inspected all wheel bearings ,repacked and reinstalled all wheel bearings.
 Replaced the right wheel fairing lower bracket with new bracket from Cirrus p/n 17205-002.
 Replaced 3 rivets for the rudder trim tab. Removed seat covers from the front and rear seats.
 Had new leather seat covers mfg and installed. Leather purchased from OmnAvia on invoice
 114394 burn certificate dated 05/25/12 test report nbr 41833 . Burn certification c/w by
 Carol Ann Carter DER. C/W elt check per CFR 14 part 91.207(d) no defects noted. All flight
 control hinges and rod ends lubed. All AD's current as of this date. I certify that this Aircraft
 has been inspected in accordance with an Annual inspection and found to be Airworthy.-end-


 Stewart Pruitt 2644624 A&P/IA

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	
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Model: Cirrus SR22
 S/N: 300
 Reg. No: N880CD

Maintenance Accomplished:
2002- #1 GNS 430 inop- Troubleshoot
 reseated ops check good IAW AMM 24-50
2003- Update Sandel SN-3308 Software
 SN3308_2.30_Update_Instructions_B.doc
Major Aleteration:
2001- Upgrade #1 GPS Garmin GNS 430
 Avidyne IM P/N 600-00299-000 Rev. 4.
Removed: Garmin, 011-00280-10, GNS
 59071391.
Installed: Avidyne, 700-00179-0000, IF
 Antenna, S/N 106119.

The aircraft identified above was inspected
 for return to service only with respect to
 station under Work Order No CIR759.

Signed: 
 For: Corporate Flight Management,

Alterations

(Number of specific entries.)

DATE: 09/19/2014
T: 1813.5
nt:

cutters MFG date 9/2014. Line

Form CFM 007

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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N880CD S/N 300 January 1, 2015

Hobbs: 1822.9 total: 1822.9

Removed ELT from aircraft. Replaced ELT batteries and reinstalled ELT. ELT ops check good. - end-

Stewart Pruitt 2644624 A&P

Star Avionics, Inc.

108 Nowlin Lane, Hangar 21

Chattanooga, TN 37421

CRS # TA4R537M (423) 499-1100

N880CD

S/N: 0300

Hobbs: 1824.2

Date: January 16, 2015
Customer reported autopilot inoperative, troubleshoot system to faulty Turn Coordinator, gained access and removed the Turn Coordinator (P/N 6405-8-28L S/N 13672G) from aircraft and installed replacement Turn Coordinator (P/N 1394T100-14RB S/N G07-10996); performed an operational check of the autopilot system IAW Cirrus Design SR22 FAA Approved Airplane Flight Manual Supplement for the S-Tec System 55X Autopilot with Altitude Selector / Alerter (13772-108) Rev. 3 dated December 07, 2004; system checked normal no faults noted at this time.

Details are on file at Star Avionics, Inc. under W.O. # 33252.

CRS# TA4R537M Jeffrey K. Miller

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YEA
20
DATE

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FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

N880CD

S/N 300

05/20/2022

Hobbs: 2053.5

Total: 2053.5

Removed , cleaned, visually inspected, repacked and reinstalled all wheel bearings. Removed the left and right brake calipers. Disassembled, cleaned and reassembled brake calipers using new o-rings. Replaced brake lining with new rapco R66-105 linings. Replaced both brake disc with new Cleveland p/n 164-01501. Reinstalled brake calipers and bleed/serviced the brakes. C/W elt check per CFR 14 part 91.207(d) no defects noted. All flight control hinges and rod ends lubed. All AD's current as of this date. I certify that this Aircraft has been inspected in accordance with an Annual inspection and found to be Airworthy.-end-



Stewart Pruitt 2644624 A&P/IA

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r specific entries.)

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Star Avionics, Inc.
108 Nowlin Lane, Hangar 21
Chattanooga, TN 37421
CRS # TA4R537M (423) 499-1100

Date: October 4, 2021

N880CD

Cirrus

M/N SR22


S/N: 300

Hobbs: 2040.2

Gained access and removed wet compass. Overhauled compass, disassembled, removed all seals, cleaned compass housing, glass, scale and indexer. Reassembled, filled and leak checked. Reinstalled unit into aircraft. Ops tested normal. All work performed IAW Navaer MM P/N 05-15-606 dated 12/57.

This aircraft is approved for return to service with respect to the above work performed and with respect to Star Avionics, Inc WO # 34540.

Details are on file at Star Avionics, Inc. under W.O. # 34540.


Jeffrey K. Miller for CRS #TA4R537M

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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N880CD S/N 300 04/02/2021

Hobbs: 2030.3 Total: 2030.3

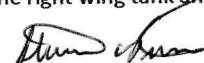
Replaced ELT battery compartment with new one p/n E 01-03. Replaced ELT batteries with new Duracell batteries. C/W elt check per CFR 14 part 91.207(d) no defects noted. All flight control hinges and rod ends lubed. All AD's current as of this date. I certify that this Aircraft has been inspected in accordance with an Annual inspection and found to be Airworthy.-end-


Stewart Pruitt 2644624 A&P/IA

N880CD S/N 300 06/10/21

Hobbs: 2032.9 Total: 2032.9

Drained fuel from the right wing tank. Removed the inboard tank plate. Cleaned the tank plate and mating surface. Reinstalled the tank plate IAW Cirrus AMM. Fueled the right wing tank and performed leak check of the tank plate, no leaks noted


Stewart Pruitt 2644624 A&P

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
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Date: October 4, 2021

N880CD Cirrus M/N S

Gained access and removed wet compass cleaned compass housing, glass, scale and Reinstalled unit into aircraft. Ops tested 606 dated 12/57.

This aircraft is approved for return to service Star Avionics, Inc WO # 34540.

Details are on file at Star Avionics, Inc. under W

Alterations
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ecific entries.)

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Transponder Certification

Merlin's Avionics Service Tel: (615) 305-1186
307 Roberta Drive Hendersonville, Tennessee 37075
FAA CRS #Z6MR586Y MAS Form #3

Work Order No. 1566 Acft.Reg.No. N880CD
Aircraft Type CIRCUIS SR22 Txpond Position #1
Txpond P/N# AXP340 S/N#

Check Box if Mode S (✓)

I certify the ATC Transponder tests and inspections required by
FAR 91.413 were performed this date and found to comply with Part 43,
Appendix F. Details of this inspection are on file at this repair station.

Date 11-16-20

Signed Merlin Kurgily

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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ACFT SN# 0300		Altimeter/Static System Certification		H0885 2027.2	
Merlin's Avionics Service Tel: (615) 305-1186 307 Roberta Drive Hendersonville, Tennessee 37075 FAA CRS#Z6MR586Y MAS Form #4		Work Order No. 1566 Acft.Reg.No. N880CD Acft Type CIRRUS SR22 Altimeter Position #/ Altimeter P/N# S/N# Date 11-16-20 Signed <i>Merlin Burgis</i>			
Altitude	Reading	Tol	Altitude	Reading	Tol
-1000	-1000	20	14,000	13980	100
0	0	20	16,000	15980	110
500	500	20	18,000	17970	120
1000	1000	20	20,000	19970	130
1500	1500	25	22,000		140
2000	2000	30	25,000		155
3000	3000	30	30,000		180
4000	4005	35	35,000		205
6000	5995	40	40,000		230
8000	7990	60	45,000		255
10,000	9990	80	50,000		280
12,000	11980	90			
Friction		Tol	Press		
1K		+20 70	28.10 -1727 -1727		
2K		+20 70	28.50 -1340 -1340		
3K		+15 70	29.00 -863 -863		
5K		+15 70	29.50 -392 -392		
10K		+20 80	29.92 0 0		
15K		+15 90	30.50 531 531		
20K		+15 100	30.90 893 893		
25K			30.99 974 974		
30K		140	Case Leak (FPM Tol. 100 Ft.)		
35K		160	0		
40K		180			
50K		250			
Hysteresis: 1st Test Point @ 50% of Max.Alt.(Tol.75 Ft.) +20			After Effect (Tol.30 Ft.)		
2nd Test Point @40% of Max.Alt.(Tol.75 Ft.) +15			+10		
This Altimeter/Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.					

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
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Transponder Certificate Merlin's Avionics Service 307 Roberta Drive Hendersonville FAA CRS #Z6MR586Y	
Work Order No. 1566 Acft.Reg.No. N880CD Aircraft Type CIRRUS SR22 Txpond P/N# AXP340	
Check Box if Mode S <input type="checkbox"/>	
I certify the ATC Transponder tests and inspections required by FAR 91.413 were performed this date and in accordance with Appendix F. Details of this inspection are recorded on the following pages.	
Date 11-16-20 Signed <i>Merlin Burgis</i>	

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ber of
tries.)

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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N880CD S/N 300 2/01/2020

Hobbs: 2012.2 Total: 2012.2

Removed, cleaned, inspected all wheel bearings ,repacked and reinstalled all wheel bearings.
Replaced ELT batteries with new batteries. C/W elt check per CFR 14 part 91.207(d) no
defects noted. All flight control hinges and rod ends lubed. Replaced the left wheel pant
bracket p/n 17205-001 with new bracket. Replace the standby buss batteries with new
batteries p/n 50979-001. All AD's current as of this date. I certify that this Aircraft has been
inspected in accordance with an Annual inspection and found to be Airworthy.-end-


Stewart Pruitt 2644624 A&P/IA

Model: SR22
S/N: 0300
Reg. No: N880CD



Date: 14 Oct 2020
Hobbs: 2023.6

Airframe

Maintenance Accomplished:

-Removed CAPS line cutters (p/n: 26707-001 s/n: 6962/6964 mfg date 9/14) & installed new CAPS line cutters
(p/n: 26707-001 s/n: 17741/17589 mfg date 8/20), ref CMM 95-10. CAPS Line Cutters expire: August 2026.

The components identified above have been inspected and repaired in accordance with the current Federal Aviation Regulations and
are approved for return to service with only with respect to the work performed. Pertinent details of the work performed are on file at this
repair station under Work Order #CIR1228.

Signed:

Contour Aviation Maintenance.

Certified Repair Station

FJTR920D

Form CFM 007



N-880CD

WO M7052P

Hobbs 2057.6

Job Description

Squawks:

Troubleshoot and Repair Autopilot

1 Gained access and removed the Turn Coordinator. 54.0 Hrs

Bench tested Turn Coordinator- unit tests normal in deflection and the outputs checked normal.

Connected turn coordinator to rate table and to aircraft with extender harness. OPS tested normal.

During ops check, found the aileron trim is intermittent which the trim motor is the same motor as the autopilot roll servo.

Checked the aileron trim/aileron travel out of limits and aileron/rudder interconnect deflection travels out of limits.

Removed LH Aileron to gain access to the trim limit switches. Found limit switches intermittent.

Removed , replaced and calibrated limit switches. OPS checked roll trim motor and limits are normal but the roll electric trim motor is intermittent and the roll trim dampening cartridge is binding and not allowing smooth roll movement.

Removed and replaced the roll trim motor assembly

P/N 317A386, roll trim cartridge P/N 15660-001.

Reinstalled LH Aileron. Removed and replaced the

aileron/rudder interconnect shock cord assembly

P/N 12983. Rigged aileron/aileron trim and aileron/rudder

systems. Reassembled all areas accessed. OPS tested

system and autopilot will not center. Removed turn

coordinator P/N 1394T100-14RB S/N G07-10996 and

tested the roll output- roll output has a constant offset of .92 vdc.

Installed OH exchange turn coordinator P/N 1394T100-14RB

S/N M07-10591. Centered the S-Tec System 55X Autopilot.

Removed S-Tec 55X Computer P/N 01192-34-61T-30

S/N 0533-8662 and installed exc Computer same P/N

S/N 3378-AB-AB. Centered the S-Tec System 55X Autopilot.

OPS checked normal.

All work performed IAW Cirrus SR-22 AMM 27-30 and

S-Tec System 55X ITM 2nd Edition Dated 06/08.

N-880CD

WO M7052P

Hobbs 2057.6

Aircraft main battery is weak.

- 2 Tried starter and engine would not turn over.

4.5 Hrs

Removed the main battery P/N RG24-11M S/N 40996087 and connected unit to analyzer- unit seemed to OPS


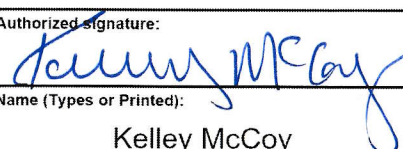
Check Normal. Checked cables and MCU for corrosion, no corrosion found. Temporarily tried another battery in aircraft- engine turned over normally.

Tapped on the side of the battery on the bench and unit started to draw excessive current and started smelling of sulfur.

Ordered new battery. Received new battery P/N RG-24-11M S/N 41242475.

Precharged new battery on bench. Installed new battery OPS checked normal.

All work performed IAW Concord RG24-xx CMM and Cirrus SR22 AMM24-30. Reassembled all areas accessed.

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 000498312	
4. Organization Name and Address: 				9400 E. 34th Street N. Wichita KS 67226 FAA CRS OL2R061L		
5. Work Order/Contract/Invoice Number 000498312						
6. Item:	7. Description:	8. Part number:	9. Quantity:	10. Serial number:	11. Status/Work:	
1	Turn Coordinator	1394T100-14RB	1	M07-10591	Overhauled	
12. Remarks: THE WORK ORDER REFERENCED DESCRIBES THE ACTUAL WORK PERFORMED. ALL WORK WAS PERFORMED REF. MANUAL # MM-34-20-47 / 1 / 15 Feb 2008 INCOMING MOD STATUS: 1 OUTGOING MOD STATUS: 1 Certifies that the work specified in Block 11/12 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part-145 Approval Number: 145.4675						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to service <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, Part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized signature:		13c. Approval/Authorization No.:		14b. Authorized signature: 		14c. Approval/Certificate No.: FAA CRS OL2R061L
13d. Name (Types or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Types or Printed): Kelley McCoy		14e. Date (dd/mm/yyyy): 30/Aug/2022
User/Installer Responsibilities						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by user/installer before the aircraft may be flown.</p>						

Star Aviation Services

108 Nowlin Lane, Hangar 21

Chattanooga, TN 37421

(423) 499-1100

Date: September 13, 2022

N880CD

S/N: 0300

Hobbs Time: 2057.6

Pilot reported engine will not start and autopilot drifts off course in all modes. Troubleshoot engine not starting to main aircraft battery. Removed battery P/N RG24-11M S/N 40996087 for cap check, battery failed cap check. Installed new battery P/N Rg24-11M S/N 41242475 IAW Cirrus SR22 MM 24-30, ops checked good no faults noted.

Troubleshoot roll trim/autopilot servo system, found servo motor and micro switches faulty. Aileron Trim travel. Aileron/Rudder Interconnect deflection travel out of limits. Gained access, removed and replaced Roll Trim Motor Assembly P/N 317A386, Roll Trim Cartridge P/N 15660-001, and Aileron/Rudder Interconnect Shock Cord P/N 12983; performed rigging of roll trim and interconnect deflection IAW Cirrus MM 27-30, system within limits and ops checked good. Also, found Turn Coordinator center output to autopilot out of limits, removed Turn Coordinator P/N 1394T100-14RB S/N G07-10996 and installed exchange Turn Coordinator P/N 1394T100-14RB S/N M07-10591, performed roll centering calibration and ground operational check of autopilot system IAW S-Tec System 55X Installation and Troubleshooting Manual 2nd. Edition dated June 30, 2008; System checked good no faults noted at this time.

All work accomplished in accordance with the above-mentioned manuals and this aircraft has been determined to be in an airworthy condition with respect to the work performed.

Details are on file at Star Aviation Services under W.O. # M7052P.


Randall W. Moats A&P33368081A

Star Aviation Services

108 Nowlin Lane, Hangar 21

Chattanooga, TN 37421

(423) 499-1100

Date: October 3, 2022

N880CD

Cirrus

M/N SR-22

S/N: 300

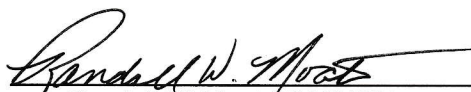
Hobbs: 2058.0

Autopilot rolls left in all modes when engaged. Removed S-Tec 55X Computer P/N 01192-34-61T-30 S/N 3171-AB-AB and installed exchange S-Tec 55X Computer P/N 01192-34-61T-30 S/N 0533-8662. Ground ops checked normal. All work performed IAW S-Tec 55X IM 2nd Edition dated 06/08.

All above tests were normal and within specifications.

This aircraft is approved for return to service with respect to the above work performed and with respect to Star Avionics, Inc WO # M7052P.

Details are on file at Star Avionics, Inc. under W.O. # M7052P.


Randall W Moats 33368081A

Star Avionics, Inc.
108 Nowlin Lane, Hangar 21
Chattanooga, TN 37421
CRS # TA4R537M (423) 499-1100

Date: December 14, 2022

N880CD Cirrus M/N SR-22 S/N: 300 Hobbs: 2059.9

Inspected aircraft for applicability of AD 2019-13-03 to the Avidyne AXP340 below. Found AD 2019-13-03 to be not applicable IAW Section (g)(2) of AD 2019-13-03.

The following altimeter system and altitude reporting equipment tests and inspections as required by FAR 91.411, in accordance with FAR 43, appendix E have been performed.

Paragraph (a) Static system to; 2,000 ft

Paragraph (b) Altimeter United P/N 5934D-3 S/N 427125 to 20,000 ft.

Paragraph (c) Integrated system to; 20,000 ft.

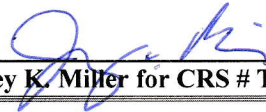
The ATC transponder system operation checked and meets requirement of FAR 91.413 as prescribed in Appendix F of part 43 on the following;

Transponder – Avidyne AXP-340 P/N 200-00247-000 S/N 01295 Mod 0.

All above tests and inspections were normal and within specifications.

This aircraft is approved for return to service with respect to the above work performed and with respect to Star Avionics, Inc WO # 34657.

Details are on file at Star Avionics, Inc. under W.O. # 34657.


Jeffrey K. Miller for CRS # TA4R537M

Star Aviation Services
108 Nowlin Lane, Hangar 21
Chattanooga, TN 37421
(423) 499-1100

Date: November 17, 2022

N880CD Cirrus M/N SR-22 S/N: 300 Hobbs: 2058.6

Autopilot oscillates left and right during approach. Removed S-Tec 55X Computer P/N 01192-34-61T-30 S/N 0533-8662 and installed exchange S-Tec 55X Computer P/N 01192-34-61T-30 S/N 3378-AB-AB. Ground ops checked normal. All work performed IAW S-Tec 55X IM 2nd Edition dated 06/08.

All above tests were normal and within specifications.

This aircraft is approved for return to service with respect to the above work performed and with respect to Star Avionics, Inc WO # M7052P.

Details are on file at Star Avionics, Inc. under W.O. # M7052P.


Randall W Moats 3336808IA

For	Error	Tol
-1000	-5	+/-20
0	✓	20
500	+5	20
1000	✓	20
1500	+5	25
2000	✓	30
3000	✓	30
4000	-5	35
6000	-10	40
8000	-15	60
10000	-20	80
12000	-20	90
14000	-15	100
16000	-15	110
18000	+10	120
20000	+35	130
22000		140
25000		155
30000		180
35000		205
40000		230
45000		255
50000		280

Star Avionics, Inc.
Repair Station TA4R537M
Lovell Field, Chatt., TN
Phone: (423) 499-1100

Case leak
25 ft/min
Tol. 100 ft. +/-

Hysteresis
+15 at 50%
+15 at 40%
Tol. 75 ft. +/-

Friction
Error

		Tol ft +/-
1k	30	70
2k	25	70
3k	30	70
5k	40	70
10k	40	80
15k	50	90
20k	55	100
25k		120
30k		140
35k		160
40k		180
50k		250

After Effect
+5 ft.
Tol. 30 ft. +/-

Baro Scale

28.10 -1720 -1727
28.50 -1335 -1340
29.00 -860 -863
29.50 -385 -392
29.92 0
30.50 +540 +531
30.90 +900 +893
30.99 +980 +974

Tol. 25 ft. +/-

Tested Per F.A.R. Part 43, Appendix E

P/N 5934D-3

S/N 427125

W.O. 34657

Aircraft N880CD

Date 12/14/22

Tech Chad Hest

[illegible]

Customer Name:	CIRRUS FLYING CATS LLC	Tail Number:	N880CD	Comp Serial No:	300
Address:	1501 Ramsgate Pkwy Hixson TN 37343 USA	Aircraft Make:	Cirrus	Comp Name:	Single Engine
Phone:	423 653 0624	Aircraft Model:	SR 22	Comp Make:	Continental
Fax:		Serial No:		Comp Model:	IO-550
		UIN:	0A08B0D		

Sample No.	44150307054
SIF No.	42078959
Date Sampled	12-Jun-23
Date Tested	16-Jun-23
Oil Brand	Shell
Oil Type	Aeroshell W
Oil Grade	SAE 15W50
Oil Hrs	11
Oil Added	1.0
Hrs Since New	
Rebuild Hrs	

Metals (ppm)

Aluminium (Al)	6
Iron (Fe)	22.65
Copper (Cu)	5.40
Nickel (Ni)	1
Chromium (Cr)	12
Tin (Sn)	2
Lead (Pb)	4208.40
Silver (Ag)	<1
Phosphorus (P)	1264

Contaminants (ppm)

Silicon (Si)	9
Water (%)	<0.05

Additives (ppm)

Magnesium (Mg)	<1
Calcium (Ca)	<1
Zinc (Zn)	3
Boron (B)	<5

Physical Tests

Viscosity (cSt 100C)	22.2
PQ Index	15

LEGEND



Severe



Abnormal



Caution



Normal

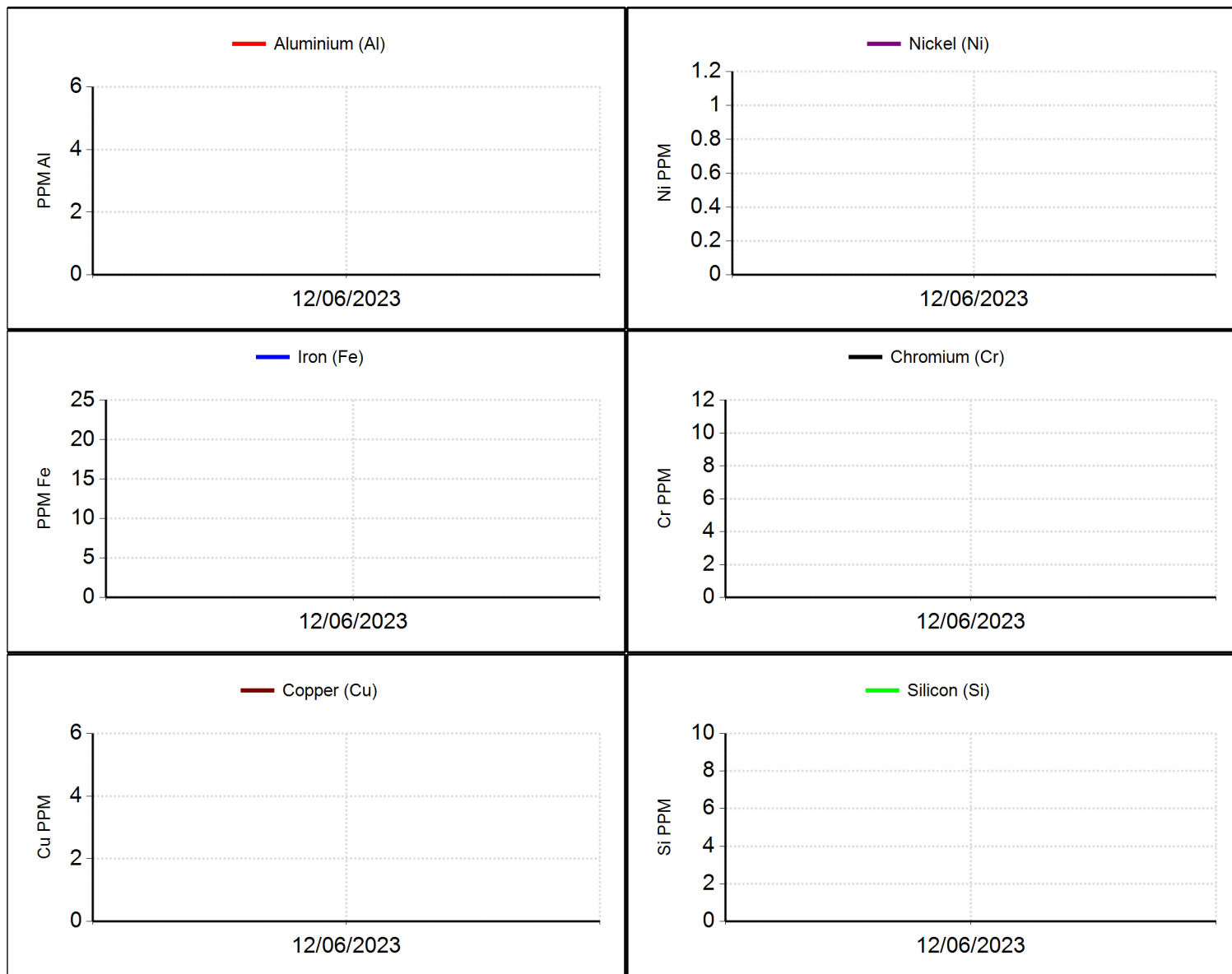


Sample No.

Diagnosis/Recommendations

44150307054

All wear levels appear within acceptable limits for first sample. Silicon level (dirt/sealant material) satisfactory. Water content acceptable. Viscosity within specified operating range. Action: Resample at next recommended interval to monitor and establish wear trend.



Since services are based on samples and information supplied by others, and since corrective actions, if any, are necessarily taken by others, these services are rendered without any warranty or liability of any kind beyond the actual amount paid to ALS Laboratory group for the services. Reported recommendations are based on interpretations of the generated test results and historical data. Certain test results appearing in this report may have been tested at other ALS laboratories within the Tribology divisional network.

Cirrus Flying Cats LLC
Attn: John Osterhage
1501 Ramsgate Pkwy
Hixson TN 37343
USA

**TEST
METHODS:**

Acid Number:	ASTM D974/D664
ICP:	ASTM D5185
Viscosity:	ASTM D445 / D7279
Water by Crackle:	ASTM E203 Mod / In House

0037 v1.9