

Manufacturer Cirrus **Model** SR20
Serial 1368 **Registration Number** N8139D
Date of Manufacture 10/13/2003

Engine(s) currently installed:

Manufacturer TCM **Model** IO-360 **Serial** _____
Manufacturer _____ **Model** _____ **Serial** _____

Propeller(s) currently installed:

Manufacturer _____ **Model** _____
HUB Model _____ **Serial** _____ **Serial** _____
Blade Model _____ **Serial** _____ **Serial** _____
Blade Model _____ **Serial** _____ **Serial** _____

Note

PENINSULA

Removed Skywatch Processor TAS TRC497, s/n 81380 for repairs. Shipped the unit to L-3 Communications Avionics Systems, Inc. Received the repaired unit, installed in acft, and restored acft configuration data. Ramp test OK.

Reg_N8139D 11/22/2011 Tach_1933.3
 FAA - V9JR020Y Art V. fr/W.O. 1302

N8139D
 TCM IO-360-ES6
 Serial No. 357637



West Valley Aircraft Services, LLC
 Embarcadero Rd. Hangar B. Palo Alto, CA 94303
 Tel. (650) 565-0063

11/22/201
 ACTT: 1933.3

Aircraft Entry:
 Removed the Co-Pilot seat for Art to install the skywatch. Checked the installation Okay. Installed the Co pilots seat IAW the Cirrus SR20 MM. -End-

Kevin R. Pinger A&P LA 3236526

I certify that the Altimeter, Static System, & Altitude Reporting tests required by FAR 91.411, and the Transponder tests required by FAR 91.413 have been performed IAW FAR 43 App E & F.

Altimeter(s) tested to 20000 Ft. N8139D

IAW FAR 43 App. E on 6 DEC 11 Date 6 DEC 11

Signed [Signature] Time 1937Z

Northcoast Services crs WR3R955L

Weight and Balance Information

Empty CG	Useful Load	Remarks

Scale Corrections

PFD Altimeter N8139D

Reads	Add	Reads	Add
-1000	+15	10000	+30
0	+20	12000	+30
500	+15	14000	+35
1000	+15	16000	+35
1500	+20	18000	+35
2000	+20	20000	+35
3000	+20	22000	
4000	+20	25000	
6000	+20	30000	
8000	+20	35000	

Scale Corrections

STANDARD Altimeter N8139D

Reads	Add	Reads	Add
-1000	-15	10000	-10
0	-15	12000	
500	-20	14000	+15
1000	-20	16000	
1500	-20	18000	-20
2000	-25	20000	-40
3000	-30	22000	
4000	-30	25000	
6000	-35	30000	
8000	-40	35000	

Date 6 DEC 11 crs WR3R955L

Tested by [Signature]

Date 6 DEC 11 crs WR3R955L

Tested by [Signature]

YEAR	
20	
DATE	

N8139D
Cirrus SR20
Serial No. 1368



West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B. Palo Alto, CA 94303
Tel. (650) 565-0063

12/19/2011
TTA: 1709
TACH: 572

Airframe Entry:

Replaced right navigation light p/n W1290-28.

[Signature]
Kevin R. Pinger A&P/LA 3236526

Date **1/16/2012**
W/O# **11943**



Airframe (Avionics) Logbook Entry AIRCRAFT: N 8139D

CRS AWKR298C

25170 Aviation Ave., Davis, CA 95616

S/N 1368

Tach/
Hobbs 1955.0
FLIGHT 577.2

REMOVED S-TEC SYSTEM 55X AUTOPILOT P/N 01192-34-61T-30, S/N 0404-6581; AND INSTALLED AVIDYNE DFC90 AUTOPILOT P/N 700-00170-000, S/N M113046192, AS A REPLACEMENT IN ACCORDANCE WITH AVIDYNE CORPORATION MASTER DOCUMENT LIST AVDC-019, REV. 2, DATED 07-15-10, OR LATER FAA APPROVED REVISIONS, AND FAA STC SA00296BO, ISSUED JUNE 18, 2010, AND AMENDED MARCH 04, 2011. THE CURRENT ELECTRICAL LOAD ANALYSIS REMAINS VALID SINCE THE NEW UNIT DRAWS THE SAME OR LESS CURRENT THAN THE ORIGINAL UNIT. ALL WORK WAS ACCOMPLISHED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, FAA AC 43.13-1B, CHAPTER 11, SECTION 3, PARAGRAPH 11-37; SECTION 4, PARAGRAPH 11-47 THROUGH 11-53; SECTION 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16 AND 17 AS APPLICABLE, CHAPTER 12, SECTION 2. FAA AC 43.13-2A, CHAPTER 1, PARAGRAPH 12, CHAPTER 2, PARAGRAPH 21, 22, 23, 24; CHAPTER 3, PARAGRAPH 36. THE INSTALLED EQUIPMENT WAS OPERATIONALLY TESTED AND PERFORMED SATISFACTORILY AND DID NOT ADVERSELY AFFECT EXISTING EQUIPMENT OR SYSTEMS IN THE AIRCRAFT AS REQUIRED BY FAR 23.1301. WEIGHT AND BALANCE CHANGE IS NEGLIGIBLE FOR THIS CHANGE. INSTRUCTIONS FOR CONTINUED AIRWORTHINESS REQUIRES A VISUAL INSPECTION AND OPERATIONAL TEST OF THIS EQUIPMENT ANNUALLY IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND FAR 43, APPENDIX "D", AND ICA DOCUMENT NO. AVDFC-030, REV. 02, FOR THE AVIDYNE DFC90 AUTOPILOT, OR LATER REVISIONS. REMOVED AVIDYNE EXP5000 PFD P/N 700-00006-000, S/N 29032044 AND INSTALLED AVIDYNE EXP5000 PFD

— CONT. —

YEAR
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DATE

N8139D
Cirrus SR20
Serial No. 1368



West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

3/7/2012
TACH: 599.3
ATT: 1737

Operations
Number of
entries.)

YEAR
20
DATE

Airframe Entry:

Completed **50 Hour Inspection** of the aircraft using the Cirrus SR20 maintenance manual 50 hour checklist as a guide. Inspected tires and brakes and serviced the tires with air. Replaced pilot vent air duct scat hose and adjusted knob. Inspected battery and terminals. Checked and serviced the hydraulic reservoir. Inspected the firewall and engine mount. Checked and tightened nose wheel castering torque. Operational checked interior and exterior lights, okay. Lubricated sun visor hinges. Cleaned interior and exterior leading edges. Performed run up, leak, power, and indication check. normal. This aircraft is returned to service.

Kevin R. Pinger A&P/IA 3236526

N8139D
Cirrus SR20
Serial No. 1368



West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

7/27/2012
TACH: 648.2
ATT: 1785.9

Airframe Entry:

Replaced left and right tires with new p/n 072-449-0. Cleaned and inspected the wheels and brakes, replaced left and right brake linings p/n 066-14100, repacked the wheel bearings and reinstalled the tires in accordance with the SR20 maintenance manual. Taxi conditioned the linings in accordance with Cleveland instructions. Replaced the right handle roll pin and adjusted and lubricated the mechanism. This aircraft is returned to service.

Kevin R. Pinger A&P/IA 3236526

Operations
Number of
entries.)

YEAR
20
DATE

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N8139D
Cirrus SR20
Serial No. 1368



West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

8/16/2012
Mx Hobbs: 648.2
TTA: 1785.9

Airframe Entry:

Completed **Annual Inspection** of the aircraft using the Cirrus SR20 maintenance manual 100 hour checklist as a guide. Complied with **AD 2008-11-18** by pressurizing the exhaust system, no leaks found, next due in 100 hours. Inspected **ELT** in accordance with **FAR 91.207 (d)**, battery replacement due **DEC/2013**. Replaced the starter adapter assembly p/n 646220A53. Replaced the alternator rotor shaft. Inspected the flight controls and wing attach points. Cleaned the interior, de-greased/de-smoked the belly, and washed the aircraft. Airworthiness Directives current through **Bi-weekly revision 2012-16**. Performed run up, leak, power, and indication check, normal. I test flew this aircraft for over 2 hours, all parameters normal. This aircraft is in an airworthy condition and is returned to service.

Kevin R. Pinger A&P/IA 3236526

N8139D
Cirrus SR20
Serial No. 1368



West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

8/23/2012
Mx Hobbs: 652.6
TTA: 1790.3

Airframe Entry:

Replaced pilot side door actuator strut p/n 18200-003.

Carrie L. Ferguson A&P/IA 2806332

YEAR
20
DATE

N8139D
Cirrus SR20
Serial No. 1368



West Valley Aircraft Services, LLC
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

11/8/2012
TTA: 1821.0
TACH: 683.7

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Airframe Entry:

Nose wheel reported to shimmy. Replaced nose wheel pant brackets with new p/n 11799-003 (qty 2). Checked nose wheel caster torque and bearings, reinstalled the fairing. Right fairing is loose, removed the right fairing, inspected the brackets and tightened, reinstalled the fairing.

Kevin R. Pinger A&P IA 3236526

N8139D
Cirrus SR20
Serial No. 1368



West Valley Aircraft Services, LLC
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

12/17/2012
TACH: 697.0
ATT: 1834.7

Airframe Entry:

Completed 50 Hour Inspection of the aircraft using the Cirrus SR20 maintenance manual 50 hour checklist as a guide. Inspected tires and brakes and serviced the tires with air. Operational checked interior and exterior lights, okay. Replaced pilot sun visor with serviceable p/n 12698.003. Resealed the pilot and co-pilot side windows. Replaced #6 EGT probe p/n 14554-001. Performed run up, leak, power, and indication check, normal. This aircraft is returned to service.

Kevin R. Pinger A&P IA 3236526

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YEAR
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TIME

N8139D
Cirrus SR20
Serial No. 1368



West Valley Aircraft Services, LLC
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

4/29/2013
TACH: 727.1
TTA: 1864.8

Airframe Entry:

Replaced nose tire with new p/n 072-312-0 and tube p/n 092-308-0. Inspected the wheel bearings and repacked with grease, reinstalled the wheel in accordance with the Cirrus SR20 maintenance manual.

Kevin R. Pinger A&P IA 3236526

YEAR
20
DATE

N8139D
Cirrus SR20
Serial No. 1368



West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B. Palo Alto, CA 94303
Tel. (650) 565-0063

7/8/2013
Mx Hobbs: 749.4
TTA: 1887.1

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Airframe Entry:

Completed **Annual Inspection** of the aircraft using the Cirrus SR20 maintenance manual 100 hour checklist as a guide. Complied with **AD 2008-11-18** by pressurizing the exhaust system, exhaust heat muffler removed and overhauled by Dawley Aviation FAA CRS# NJ5R069N under WO#108506 due to leaks, next inspection due in 100 hours. Inspected **ELT** in accordance with **FAR 91.207 (d)**, battery replacement due **DEC/2013**. Checked the interior and exterior lights. Replaced landing light ballast with serviceable p/n LSM-500-200-128. Replaced tail bumper p/n 70120-001. Installed CAPS cover placard p/n 12390-003. Replaced Essential buss batteries p/n 50979-001 (qty 2), next replacement due 06/2015. Inspected the flight controls, rigging, routing, attachment, and wing attach points. Cleaned and inspected the gascolator. Replaced the right tire p/n 072-449-0 and tube p/n 097-500-0.

Replaced right brake linings p/n 066-14100 (qty 4). Serviced the tires with air. Taxi conditioned the linings in accordance with Cleveland instructions. Serviced the brake reservoir. Serviced the main battery. Replaced the induction air filter p/n BA24. Inspected wires and connectors under the instrument panel cover. Cleaned the connectors to the DAU/EMU. Removed center counsel cover, inspected controls and wiring/compartments, secured covers. Lubricated and inspected all controls. Lubricated the aircraft in accordance with the Cirrus SR20 lubrication schedule. Cleaned and vacuumed the interior, de-greased/de-smoked the belly, and washed the aircraft. Airworthiness Directives current through **Bi-weekly revision 2013-13**. Performed run up, leak, power, and indication check, normal. I certify I have inspected this aircraft in accordance with an **Annual Inspection** and found it to be in an airworthy condition. This aircraft is returned to service.

Kevin R. Pinger A&P LA 3236526

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Date **9/13/2013** **Airframe Logbook Entry**
CRS AWKR298C
W/O# **13144**
25170 Aviation Ave., Davis, CA 95616

AIRCRAFT: **N 8139D**
S/N: **1368**

Tach / Flight **748.9** REMOVED ALT 1 CURRENT SENSOR P/N 14604-001. INSTALLED NEW CURRENT SENSOR P/N 14604-001. REINSTALLED MCU ON AIRCRAFT. OPERATIONAL CHECK NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency:

Signed:
Shawn Matthias AWKR298C

Airframe Logbook Entry		Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884					Authorized Cirrus Service Center
Date	N' Number	Make/Model	Serial#	Flight	Hobbs	Total Time	W. O.
3/24/2014	N8139D	Cirrus SR20	1368	824.4	2305.1		7821
Installed new ELT battery. Next change due APR/2021. Complied with FAR 91.207(d). Found to be satisfactory.							
I certify that the work described above was performed satisfactorily and in accordance with approved/acceptable data and is approved for return to service with regard to work performed.							
Authorized Signature:						John L. Longaker A&P 3532411	

YEAR
20
DA



RECORDING
TODAY'S
TOTAL

Description of Inspections, Tests, Repairs and Alterations

Date 9/10/2013 Airframe Logbook Entry AIRCRAFT: N 8139D
W/O# 12915 CRS AWKR298C
25170 Aviation Ave., Davis, CA 95616 S/N:

Tach / Flight 784.9

COMPLIED WITH CIRRUS AIRFRAME PARACHUTE SYSTEM (CAPS) 10 YEAR REPLACEMENT BY COMPLYING WITH CIRRUS SB 2X-95-17 CAPS ROCKET MOTOR REPLACEMENT. REMOVED UPPER CAPS COVER. REMOVED CAPS PARACHUTE CDC P/N 15046-001, S/N 03569, DUE DATED 08/13 AND CAPS ROCKET MOTOR P/N 15047-001, S/N 01079 DUE DATED 09/13. INSTALLED REBUILT PARACHUTE CDC P/N 25574-001-REB, S/N 03450R1. DUE DATED 08/01/2023. ASSEMBLED AND INSTALLED NEW ROCKET MOTOR P/N 29500-003, S/N 0036 DUE DATE 07/30/2023. FITTED AND BONDED NEW EMPENNAGE COVER. COSMETIC FILLER AND PAINT PERFORMED BY OUTSIDE VENDOR. PERFORMED INSTALLATION AND ELECTRICAL ACTIVATION SYSTEM CHECKS PER CIRRUS SB 2X-95-17 AND COMPONENT MAINTENANCE MANUAL FOR THE SR20 CIRRUS AIRFRAME PARACHUTE SYSTEM, P/N 12128-001, REV E. DATED FEB 2013. UPDATED WEIGHT AND BALANCE AND INSTALLED REVISION IN POH. COMPLIED WITH CIRRUS MANDATORY SB 2X-95-13 CAPS STRAP INSPECTION AND GROMMET INSTALLATION. MODIFIED PARACHUTE COMPARTMENT AND INSTALLED GROMMETS. COMPLIED WITH CIRRUS MANDATORY SB 2X-95-06, CAPS LANYARD RIGGING INSPECTION IN CONJUNCTION WITH CAPS OVERHAUL. CAPS LANDYARD RIGGED PROPERLY. COMPLIED WITH CIRRUS AIRFRAME PARACHUTE SYSTEM (CAPS) REEFING LINE CUTTERS 6 YEAR REPLACEMENT. REMOVED AND REPLACED REEFING LINE CUTTERS WITH KIT P/N 25347-002, S/N 4807 AND 4853. INSTALLED AND SECURED PER CIRRUS COMPONENT MAINTENANCE MANUAL FOR THE SR20 CIRRUS AIRFRAME PARACHUTE SYSTEM, P/N 12128-001, REV E, DATED FEB 2013. REEFING LINE CUTTERS NEXT DUE: 9/2019.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency:
Signed: *Shawn Matthes*
Shawn Matthes AWKR298C

YEAR
20
DATE

N8139D
Cirrus SR20
Serial No. 1368



West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B. Palo Alto. CA 94303
Tel. (650) 565-0063

10/3/2012
TACH: 796.7
TTA: 1934.4
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Airframe Entry:

Completed 50 Hour Inspection of the aircraft using the Cirrus SR20 maintenance manual 50 hour checklist as a guide. Inspected tires and brakes and serviced the tires with air. Replaced the left tire with new p/n 072-449-0. inspected the wheel, cleaned and repacked the wheel bearings. Operational checked interior and exterior lights. okay. Inspected the alternator, starter and connections. Checked the engine controls. Performed run up, leak, power, and indication check. normal. This aircraft is returned to service.

Kevin R. Pinger

Kevin R. Pinger A&P IA 3236526

Table with multiple columns and rows, mostly blank or crossed out.

YEAR
20
DATE

RECORDING
TACH

TODAY'S
FLIGHT

TOTAL
TIME IN

Description of Inspections, Tests, Repairs and Alterations

and Certificate Number of
s for other specific entries.)

YEAR
20
DATE

December 3, 2013
N8139D, Cirrus SR20
S/N: 1368
Flight Meter: 806.8

Hobbs: 2283.8

Cirrus
Authorized Service Center

Mather Aviation LLC
Hayward Executive Airport
FAA CRS No. Z4MR560Y
WO#: 614850

This is a permanent part of the Airframe Records The following inspection, maintenance, repairs or replacements were accomplished.

- Accomplished operational checks per Cirrus MM 05-30 Checklist.
- Performed general visual inspection of the aircraft and the following were noted / corrected.
 - Cleaned and applied new chafe tape to upper and lower cowls.
 - Replaced mixture control cable p/n: 14392-101, forward rod end p/n: 11314-003 and cable support bracket p/n: 658018 with new parts. Rigged control per MM.
 - Replaced nose gear cowl seal p/n: 14529-001 with new.
 - Replaced engine breather tube support adel clamp p/n: MS21919WF27.
 - Replaced air filter cap p/n: BA111 and support bracket p/n: 12785-001.
 - Replaced clip p/n: 13641-001 on the right upper gear fairing.
 - Replaced left and right upper wheel fairing brackets p/n: 13522-001.
 - Removed ailerons and flaps, replaced all flap brackets with new.

Side	Inboard	Middle	Outboard
Left	14571-007	14572-004	14573-004
Right	14571-008	14572-004	14573-002
 - Reinstalled flaps and ailerons and rigged per MM.
 - Removed nose wheel and replaced nose wheel bearings (cups) p/n: 214-00300 and races (cones) p/n: 214-00400. Packed bearings with SHC 100 grease and reinstalled wheel.
 - Replaced all main gear upper fairing well nuts, 5ea p/n: 50802-001 and 2ea p/n: 50803-001.
 - Replaced right towbar lug p/n: 11869-001.

Technician(s): R. Rementeria, V. Franco, R. Dodge, R. Tello, S. Katz

This aircraft and/or component has been repaired and inspected in accordance with applicable 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 facility.

Inspector:

Kevin Kelley
Kevin Kelley for CRS# Z4MR560Y

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.)

C&W Aero Services, Inc. CRS# HX1R208K

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

An Authorized Service Center For: **Beechcraft, Mooney Aircraft & Piper**

Work Order	Tach/Hobbs	Aircraft Total	Date
28449	824.4		3/24/2014
Reg. No.	Serial No.	Manufacturer	Model
N8139D	1368	Cirrus	SR20

The ATC Transponder tests and inspection required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F. Details of these inspections are on file at this Repair Station.

Transponder Make/Model: Garmin GTX327

SN: 83714720

Authorized Signature:

Sean Mafel



Airframe Log Entry

Reg. #N8139D

Make: CIRRUS

Model: SR20

S/N: 1368

Date : 5/21/14

Hrs: 825.6

Lnds:

Performed 2 year pitot/static checks. Tested and inspected the Pilot's and standby static pressure systems, altimeter and automatic pressure altitude reporting system IAW Title 14 CFR part 91.411 and the ATC transponder tests and inspections IAW Title 14 CFR part 91.413(a) and found to comply with Title 14 CFR part 43, appendices E and F. A/C was tested to 20,000ft.

I certify that this aircraft has been inspected IAW 91.411/413 inspection and was determined to be airworthy condition. Pertinent details of this repair/maintenance are on file at this repair station under Work Order #

Signed: Peter Marte Q.I. 1072

Duncan Aviation CRS#JGV3194F

Phone: 203-386-0111

YEAR
20
DATE



Static System Check Form 14 CFR 43, Appendix E

Aircraft Make and Model Cirrus SR22 Registration # N8139D
 Owner: _____ Aircraft Hours 825.6 Aircraft Landings NA
 Work Order # 2ZUZA Squawk 1 Sub-squawk 1
 Date 5/20/2014 System Tested ADC + STBY

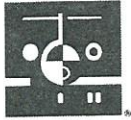
ADC STBY
STBY
 Altimeter Scale Error and Friction Tests (14 CFR 43 Appendix E, (b)(1)(i), (b)(1)(iv))

Altitude in Feet	Scale Error Permitted ± in Feet	Actual Error Found in Aircraft	Friction Error Permitted ± in Feet	Actual Friction Error Found
-1,000	20	-1000 -1000		
0	20	0 0		
500	20	500 500		
1,000	20	1000 990	70	20
1,500	25	1500 1490		
2,000	30	2000 1990	70	20
3,000	30	3000 2990	70	20
4,000	35	4000 3990		
5,000			70	20
6,000	40	6000 5980		
8,000	60	8000 7980		
10,000	80	10000 9980	80	20
12,000	90	12000 11980		
14,000	100	14000 13980		
15,000			90	20
16,000	110	16000 15970		
18,000	120	18000 17960		
20,000	130	20000 19980	100	20
22,000	140			
25,000	155		120	
30,000	180		140	
35,000	205		160	
40,000	230		180	
45,000	255			
50,000	280		250	
51,000	See a/c mfg specs.			
53,000	See a/c mfg specs.			

ADC
 Automatic Pressure Altitude Reporting Equipment and ATC Transponder System Integration Test (c)

Measure the automatic pressure altitude at the output of the installed ATC transponder when interrogated on Mode C at a sufficient number of test points to ensure that the altitude reporting equipment, altimeters, and ATC transponders perform their intended function as installed in the aircraft. (Remember, the D4 bit comes on at 30,800')

Altitude Test Point	Altimeter Reading	Tolerance in Feet
<u>1000</u>	<u>1000</u>	± 125
<u>4000</u>	<u>4000</u>	± 125
<u>8000</u>	<u>8000</u>	± 125
<u>10000</u>	<u>10000</u>	± 125



Static System Check Form 14 CFR 43, Appendix E

Hysteresis and After Effect Test (14 CFR 43, Appendix E (b)(1)(ii)(iii))

After reaching the altimeter's scale error limit and while it is at this pressure, increase the pressure at a rate of 5,000' to 20,000' per minute until within 3,000' of the first test point. The test point shall then be approached at a rate of approximately 3,000' feet per minute. The altimeter will be kept at the first test point for at least 5 minutes, but not more than 15 minutes, before the test reading is taken. After the reading has been taken and recorded below, the pressure shall be increased further, in the same manner as before, until the second test point is reached. The altimeter shall be kept at the second test point for at least 1 minute, but not more than 10 minutes, before the test reading is taken. After the reading has been taken and recorded below, the pressure shall be increased further, in the same manner as before, until atmospheric pressure has been reached. Not more than 5 minutes after reaching atmospheric pressure, record the after effect reading below. The reading of the altimeter at the test points shall not differ by more than the tolerance specified in the table below from the reading of the altimeter for the corresponding altitude recorded during the scale error test.

		<i>STBY</i>		
1 st Test Point	50% of Maximum Scale Error	<u>10000</u>	<u>9990</u>	Tolerance Allowed: 75'
2 nd Test Point	40% of Maximum Scale Error	<u>8000</u>	<u>7980</u>	Tolerance Allowed: 75'
After Effect Test	Atmospheric Pressure	<u>215</u>	<u>220</u>	Tolerance Allowed: 30'

Barometric Scale Error (14 CFR 43 Appendix E (b)(vi))

Pressure (inches of Hg)	Tolerance in Feet	Altitude Difference	Readings	
			ADC	STBY
28.10	± 25	-1,727	-1730	-1720
28.50	± 25	-1,340	-1340	-1340
29.00	± 25	-863	-860	-860
29.50	± 25	-392	-390	-390
29.92	± 25	0	0	0
30.50	± 25	+531	530	530
30.90	± 25	+893	890	890
30.99	± 25	+974	970	970

Static Pressure System (a) [A check in the box indicates the item was accomplished and within tolerance]

- (a)(1) Ensure freedom from entrapped moisture and restrictions:
- (a)(2) Determine leakage rate is within limits: *-63 FT MIN*
- (a)(3) Determine that the static port heater, if installed, is operative.
- (a)(4) Ensure that no alterations or deformations of the airframe surface have been made that would affect the relationship of air pressure in the static pressure system and true ambient static air pressure for any flight condition.

*Remember to record on the altimeter the date and maximum altitude to which the altimeter has been tested and to make a log book entry.

[Signature]

Signature

5/20/14

Date

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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MAKE: Cirrus Design Corp
MODEL: Sr20
S/N: 1368
REG. NO: 8139D
WORK ORDER:
1250-05-2014



Performance Flight
136 Tower Lane Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 5/19/2014
A/C TSN: 2307.3
FLIGHTTIME: 825.6

Airframe Entries

(1) Pitch trim bushings worn.... Replaced aft pitch trim cartridge bushings with new p/n 11268-001 and 50200-001 IAW applicable Cirrus SR-20 AMM 27-30.

The work performed has been accomplished in accord with all current, applicable and approved FAA data, has been inspected and found to be in airworthy condition and has been approved for return to service.

DATE: 5/19/2014

SIGNED:

Tim Fox, A&P: 3560697

Work Order: 1250-05-2014

Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus Design Corp
MODEL: Sr20
S/N: 1368
REG. NO: 8139D
WORK ORDER:
1374-08-2014



Performance Flight
136 Tower Lane Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

2333.6 DATE: 9/19/2014
A/C TSN: 2007.6
FLIGHTTIME: 825.6

841.5

Airframe Entries

(1) C/W Annual Inspection of Airframe.I... Complied with Cirrus SR20 100hr./Annual inspection checklist of airframe IAW applicable Cirrus SR-20 AMM 5-20. Opened all inspection panels and checked for leaks,corrosion, and abnormal conditions of airframe and related components, discrepancies noted. Lubricated all necessary airframe and landing gear components IAW applicable Cirrus SR-20 AMM ch 12 lubrication schedule. Jacked aircraft. Cleaned landing gear and visually inspected. Serviced wheel bearings. Tested ELT for proper operation I/A/W 14 CFR 91.207, no defects noted , performed fire extinguisher inspection. Completed satisfactory ground function and leak check of work performed IAW Cirrus SR-20 AMM 5-30 with no discrepancies noted.

The work performed has been accomplished in accord with all current, applicable and approved FAA data, has been inspected, found to be in airworthy condition and has been approved for return to service.

DATE: 9/19/2014

SIGNED:

Dan Magnanimo, IA: 3174220

Work Order: 1374-08-2014

Printed by EBis 3 (datcomedia.com)

YEAR
20
DATE

MAKE: Cirrus Design Corp
MODEL: Sr20
S/N: 1368
REG. NO: 8139D
WORK ORDER:
1374-08-2014



Performance Flight
136 Tower Lane Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 9/19/2014
A/C TSN: 2333.6
FLIGHTTIME: 841.5

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Airframe Entries

(6) Arm rest lanyard is worn/broken... Installed 1 New Lanyard P/N:15062-001 on the Armrest as required I.A.W. the Cirrus SR 20 MM.Chapter 25.... (11) Nose landing gear puck worn.... Installed 5 New Nose Landing Gear Pucks, P/N:11879-006 and 2 New Nose Landing-Gear Rebound Bumpers P/N:14020-001. I.A.W. the Cirrus SR20 MM. Chapter 32-20.... (12) Rebuild Left and Right main landing gear calipers Use new O rings.... Installed 2 New O-Rings P/N: M83461/1-224 in both Brake Calipers and serviced system with MIL-H-5606 Hydraulic fluid. Ops checked O.K.

I.A.W. the Cirrus SR20 MM. Chapter 32.... (18) ELT Failed Test, codes reading open or short on antenna output, or cable.... Installed 1 Repaired E.L.T. P/N:453-6603, S/N:15719, Battery Pack EXP. Date:AUG/20021.Performed14CFR 91.207 E.L.T. Inspection I.A.W.using Artex ME 406 maintenance manual570-1600 Rev. R Document No.: 570-1000, Rev. C and found it to be in satisfactory condition.

Elt repaired by ACR electronics under w/o#00232806... (24) Clamp below #2 cyl. worn and needs replacing.... Installed 1 New Adel Clamp P/N:MS21919WDG11 as required I.A.W. the Cirrus SR20 MM. Chapter 20

The work performed has been accomplished in accord with all current, applicable and approved FAA data, has been inspected, found to be in airworthy condition and has been approved for return to service.

DATE: 9/19/2014

SIGNED:

Laurence Mckenzie, A&P: 3039316

Work Order: 1374-08-2014

Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus Design Corp
MODEL: Sr20
S/N: 1368
REG. NO: 8139D
WORK ORDER:
1374-08-2014



Performance Flight
136 Tower Lane Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 9/19/2014
A/C TSN: 2333.6
FLIGHTTIME: 841.5

Airframe Entries

(7) Replace both left and right antenna grommets on vertical stabilizer of aircraft... Replaced Both Antenna Grommets On Vertical Stabilizer. With Two New, P/N:MS35489-20, and added Latex as Needed. I.A.W Cirrus SR20 AMM, Chapter 34-50. No Further Discrepancies Noted.... (8) Paint on rudder Chipping off, Needs touch up.... Touched up paint on rudder I.A.W Cirrus SR20 AMM Chapter 51-20. No further action Required.... (9) Mandatory SB2x-27-16R2 of Flaps due.... C/W Cirrus Service Bulletin, By installing P/N:70255-002. OPS Check Good.... (10) Replacement of Electric Fuel Pump... Removed 1 Dukes Electric Boost Fuel Pump, P/N:11839-001, S/N:1131. Replaced with new Fuel pump P/N:11839-001 S/N: 4509. I.A.W Cirrus AMM Chapter-28-20. OPS Check O.K.... (13) Left MLG Upper Faring two wellnuts need replacing.... Replaced Wellnuts with new P/N:50763-002, I.A.W Cirrus AMM Chapter 32-10.... (15) Flaps when retracted has slight binding due to corrosion.... Removed and treated corrosion. Lubed grommet. Ops check good. No further action required.... (16) Engine Mount Weldment and Lower Mount attach fittings torque check due... Tightened Engine mount bolts to correct torque. I.A.W Cirrus SR20 AMM Chapter,20-60. No further Discrepancies noted.

The work performed has been accomplished in accord with all current, applicable and approved FAA data, has been inspected, found to be in airworthy condition and has been approved for return to service.

DATE: 9/19/2014

SIGNED:

Work Order: 1374-08-2014

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YEAR
20
DATE

MAKE: Cirrus Design Corp
MODEL: SR20
S/N: 1368
REG. NO: 8139D
WORK ORDER:
1374-08-2014



Performance Flight
136 Tower Lane Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 9/19/2014
A/C TSN: 2333.6
FLIGHTTIME: 841.5

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Airframe Entries

(14) Rudder push pull rod end needs replacing... Replaced rod ends with new p/n11315-004 IAW applicable Cirrus SR-20 AMM 27-20. Verified proper rudder rigging and travel.... (17) Inspection and Check of Electrical Bonding and Shielding... Found left wing lost electrical bonding at left forward spar spherical bearing. Contacted F/S for disposition. Engineering involved 9/9/2014 Requires repair deviation from Cirrus engineering. Obtained Field repair authorization CM0000440. Installed ground strap as described in CDEP112-Field Repair/Alteration-Form. Completed satisfactory check of grounding to left wing fuel filler neck is less than 100 ohm.... (19) Bungee Rudder Aileron interconnect due for replacement... Replaced rudder/aileron interconnect bungee with new p/n 12983-001 date coded 4Quarter2013. IAW applicable Cirrus SR-20 AMM 27-20. Next Due Dec 2018.... (20) Elevator travels are not correct. Perform Cirrus Elevator Rigging Procedure.... Adjusted elevator rigging to achieve proper travel IAW applicable Cirrus SR-20 AMM 27-30.... (32) Pilots side door Window is disbonding on lower fwd edge... Re-bonded and re-sealed pilot side door window IAW applicable Cirrus SR-20 AMM 56-30.... (34) Replace alternator 1 drive belt.... Replaced drive belt with new IAW applicable Cirrus SR-20 AMM 24-30.

The work performed has been accomplished in accord with all current, applicable and approved FAA data, has been inspected, found to be in airworthy condition and has been approved for return to service.

DATE: 9/19/2014

SIGNED:

Tim Fox, A&P: 3560697

Work Order: 1374-08-2014

Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus Design Corp
MODEL: SR20
S/N: 1368
REG. NO: 8139D
WORK ORDER:
1374-08-2014



Performance Flight
136 Tower Lane Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 9/19/2014
A/C TSN: 2333.6
FLIGHTTIME: 841.5

Airframe Entries

(33) Right cabin window dis-bonded.... Removed window from co-pilots door, cleaned old sealant from door and window and reinstalled per MM56. Applied fillet seal after window mount cured.

The work performed has been accomplished in accord with all current, applicable and approved FAA data, has been inspected, found to be in airworthy condition and has been approved for return to service.

DATE: 9/19/2014

SIGNED:

Marty Cassone, A&P: 2684419

Work Order: 1374-08-2014

Printed by EBis 3 (datcomedia.com)

YEAR

RECORDING

TODAY'S

TOTAL

Description of Inspections, Tests, Repairs and Alterations

2



Airframe Log Entry

Reg. #N8139D
S/N: 1368
Hrs:

Make: CIRRUS
Date : 10/8/14
Lnds:

Model: SR20

Adjusted the low and high encoder adjustments IAW Narco AR850 altitude encoder I.M. 4/85. The data correspondence tests and inspections required by CFR title 14 91.411 paragraph (a)(3) and CFR title 14 91.413 paragraph (b) were performed and found to comply with CFR title 14 43, appendix E, paragraph (c).

The above described repair or maintenance is approved for return to service. Pertinent details of this repair/maintenance are on file at this repair station under Work Order #39MNA

Signed: Peter Marte Q.I. 1072
Duncan Aviation CRS#JGV3194F

Phone: 203-386-0111

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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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MAKE: Cirrus Design Corp
MODEL: Sr20
S/N: 1368
REG. NO: 8139D
WORK ORDER:
1454-10-2014



Performance Flight
136 Tower Road, Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 10/22/2014
A/C TSN: 2351.5
FLIGHTTIME: 852.8

Airframe Entries

(1) Pilot side door window disbonding @ upper aft corner... Re Bonded pilot side window IAW applicable Cirrus SR-20 AMM 56-30.... (3) Transponder is off by 300'... Duncan aviation performed Transponder adjustment on W/O 39MNA

The work performed has been accomplished in accord with all current, applicable and approved FAA data, has been inspected, found to be in airworthy condition and has been approved for return to service.

DATE: 10/22/2014 SIGNED: *Marty Cassorle* 1 of 1
Marty Cassorle, A&P: 2634419 Work Order: 1454-10-2014
Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus Design Corp
MODEL: Sr20
S/N: 1368
REG. NO: 8139D
WORK ORDER:
1454-10-2014



Performance Flight
136 Tower Road, Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 10/22/2014
A/C TSN: 2351.5
FLIGHTTIME: 852.8

Airframe Entries

(2) Lean Assist not working properly.... Ground ran Aircraft, found that the EGT readings were stable. The CHT readings were erratic at first but after the lean assist cycle they became more consistent. After the 3rd cycle the #2 CHT fell off line. Installed 1 New CHT Sensor Source Control Probe P/N:14880-001 on the #2 Cyl. Run up Ops. Checked engine O.K. Checked Lean assist cycle, Ops Checked satisfactory. I.A.W. the Cirrus SR20 MM. Chapter 77.

The work performed has been accomplished in accord with all current, applicable and approved FAA data, has been inspected, found to be in airworthy condition and has been approved for return to service.

DATE: 10/22/2014 SIGNED: *Laurence McKenzie*
Laurence McKenzie, A&P: 3039316 Work Order: 1454-10-2014
Printed by EBis 3 (datcomedia.com)

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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MAKE: Cirrus Design Corp
MODEL: Sr20
S/N: 1368
REG. NO: 8139D
WORK ORDER:
1536-12-2014



Performance Flight
136 Tower Road, Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 12/12/2014
A/C TSN: 2376.1
FLIGHTTIME: 869

Airframe Entries

(1) L/H Brake caliper overtemp noted.... Gain access, remove, disassemble, clean and visually inspect left caliper. Replaced all brake linings with new 066-14100. Reassembled caliper with new M83461/1-224 IAW applicable Cirrus SR-20 AMM 32-42. Completed satisfactory ground function check of work performed with no discrepancies noted.

The work performed has been accomplished in accord with all current, applicable and approved FAA data, has been inspected, found to be in airworthy condition and has been approved for return to service.

DATE: 12/12/2014 SIGNED: *Tim Fox*
Tim Fox, A&P: 3560697 Work Order: 1536-12-2014
Printed by EBis 3 (datcomedia.com)

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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MAKE: Cirrus Design Corp
MODEL: Sr20
S/N: 1368
REG. NO: 8139D
WORK ORDER:
0373-08-2015

East Coast Aviation Service, Inc.
Repair Station No. FAA CRS 9ESR403B
2580 SE Aviation Way
Ste 102
Stuart, FL 34996
Phone: 772 781 0610

DATE: 9/1/2015
A/C TSN: 2051.3
FLIGHTTIME: 914.1

Airframe Entries

(1) Inspected this aircraft in accordance with FAR 43 Appendix D, serviced fuel strainer and replaced induction air filter BA-24... (4) ****Spoke with Cirrus factory help desk about the total time and have confirmed the following on 10/27/2006 second flight meter was installed, at this point H.M. 1137.7 and the current flight hour meter 914.7 constitute a total time of 2051.3 from now on add the flight hour meter to this T.T. 2051.3... (5) Replaced External Power Placard P/N# 12432-001... (8) Secured flap switch... (13) Removed corrosion from battery terminal... (20) Replaced L/H exhaust hanger bracket with P/N 12374-001 and spring P/N 50442-001... (21) C/W AD 2008-11-18 as per SB 2X-78-07 R1 Noise Suppressor SR20 Heat Exchanger Inspection no discrepancies noted... (26) Replaced Left and Right step treads P/N# 12683-006... (27) Secured R/H wingtip light cover... (28) Rotated Left and Right Main tires on wheels... (30) Replaced brake linings with four brake linings P/N# 066-14100 and twelve rivets P/N# 105-00200... (32) C/W FAR 91.207 d EIT inspection and test operational and functional check ok battery due date is 8/21... (40) Replaced #2 batteries with 2 batteries P/N 50979-001, checked and found all AD's to have been C/W thru this date I certify this aircraft to have been inspected in accordance with an annual inspection and was determined to be in a airworthy condition.

The aircraft and/or component(s) on 8139D was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. "Pertinent details of the repair are on file at this repair station under Work Order No. 0373-08-2015

DATE: 9/1/2015

SIGNED: 

Work Order: 0373-08-2015

Richard John Epler
Certified Repair Station No. FAA CRS 9ESR403B

Printed by EBis 3 (datcomedia.com)

formula for computing TTA is incorrect on this log entry.
See log entry dated 1/4/2019 for correct TTA computations
Zant 282745080 1/4/2019

YEAR 20 DATE	RECORDING TAI TIM	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
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MID-SOUTH AVIONICS, INC. CRS ZY4R717M
4800 CARTER DRIVE, TUSCALOOSA, ALABAMA 35401

CIRRUS SR 20 S/N 1368 N8139D
1 JANUARY 2016 HOBBS TIME: 2544.3

- REPAIRED AND TIGHTENED SEVERAL LOOSE CONNECTIONS IN THE STATIC LINE BEHIND AND UNDER THE PILOT'S INSTRUMENT PANEL TO MEET THE STATIC SYSTEM LEAK REQUIREMENTS OF FAR 91.411
- ALL WORK PERFORMED IAW AC 43.13-1B CHAPTERS 10, 11, AND 12 AND MANUFACTURERS' MAINTENANCE MANUAL.
- WEIGHT AND BALANCE AND EQUIPMENT LIST WERE NOT AFFECTED.
- AIRCRAFT IS AIRWORTHY WITH RESPECT TO WORK PERFORMED.
- PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER W/O 2562T.

James Hutchinson
James Hutchinson

MID-SOUTH AVIONICS, INC. CRS ZY4R717M
4800 CARTER DRIVE, TUSCALOOSA, ALABAMA 35401

CIRRUS SR 20 S/N 1368 N8139D
8 JANUARY 2016 HOBBS TIME: 2544.3

- ~~REMOVED~~ -- BLIND ENCODER P/N ACK A-30 MOD 4 S/N 91023.
- ~~INSTALLED~~ -- NEW BLIND ENCODER P/N ACK A-30 MOD 9 S/N 138084.
- ALL WORK PERFORMED IAW AC 43.13-1B CHAPTERS 10, 11, AND 12, MANUFACTURERS' MAINTENANCE MANUAL AND ACK TECHNOLOGIES MANUAL P/N A30M REV. 6 DATED 2/11/2015
- WEIGHT AND BALANCE AND EQUIPMENT LIST WERE NOT AFFECTED.
- AIRCRAFT IS AIRWORTHY WITH RESPECT TO WORK PERFORMED.
- PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER W/O 2562T.

James Hutchinson
James Hutchinson

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.)

Mid-South Avionics, Inc. CRS ZY4R717M

4800 Carter Drive
Tuscaloosa, AL 35401

Date 8 JAN 2016
 Aircraft Reg. # N8139D
 Work Order # 2562T

REF ALT	TOL +/- FEET	ALT TESTED	ENCODER	REF ALT	TOL +/-FEET	ALT TESTED	ENCODER
-1000	20	+15	/	14,000	100	-45	/
0	20	-16		16,000	110	-50	
500	20	-2		18,000	120	-30	
1,000	20	0		20,000	130	0	
1,500	25	0		22,000	140		
2,000	30	0		25,000	150		
3,000	30	+5		30,000	180		
4,000	35	-2		35,000	205		
6,000	40	-18		40,000	230		
8,000	60	-32		45,000	255		
10,000	80	-40		50,000	280		
12,000	90	-40					

Aircraft Reg. # N8139D
 Altimeter P/N 5934D-3A, 2490
 Altimeter S/N 432311

Encoder P/N N/A
 Encoder S/N N/A

HOBBS 2544.3

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.)

Mid-South Avionics, Inc. CRS ZY4R717M
 4800 Carter Drive
 Tuscaloosa, AL 35401

Date 8 JAN 2016
 Aircraft Reg. # N8139D
 Work Order # 2562T

REF ALT	TOL +/- FEET	ALT TESTED	ENCODER	REF ALT	TOL +/- FEET	ALT TESTED	ENCODER
-1000	20	+2	-1000	14,000	100	0	14000
0	20	+2	0	16,000	110	0	16000
500	20	+2	500	18,000	120	-5	18000
1,000	20	+1	1000	20,000	130	-5	20000
1,500	25	+2	1500	22,000	140		
2,000	30	+2	2000	25,000	150		
3,000	30	+4	3000	30,000	180		
4,000	35	+2	4000	35,000	205		
6,000	40	+2	6000	40,000	230		
8,000	60	0	8000	45,000	255		
10,000	80	0	10000	50,000	280		
12,000	90	0	12000				

Aircraft Reg. # N8139D
 Altimeter P/N 700-0006-000
 Altimeter S/N 21014134

Encoder P/N SAME
 Encoder S/N SAME

HOURS: 2544.3

YEAR
20 16
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.)

10/13/16
LHBS
AFT

2772.6
2772.6

REMOVED INSPECTION PANELS. INSPECTED FUSELAGE WINGS, AND FLIGHT CONTROLS. LUBED AIRFRAME. SERVICED BATTERY. CHECKED ALL LIGHTS. REMOVED LEFT AILERON AND CLEANED CONTACT SWITCHES ON TRIM MOTOR. REINSTALLED LEFT AILERON IAW MAINTENANCE MANUAL GUIDELINES. CLW FOR 91.2 OUT OP'S CHECK GOOD AND BATTERIES GOOD TIL 8:20. REPLACED ALL BRAKE LININGS WITH NEW. REPLACED SEVERAL WHEEL NUTS ON MAIN GEAR FOLLIES WITH NEW. CLEANED AND PACKED ALL WHEEL BEARINGS. REINSTALLED PANELS. SEE AD LIST FOR COMPLIANCE DATED 10/13/16. I CERTIFY THAT THIS AIRFRAME HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

Robert Miller APL/EX 3610769

YEAR 20 16
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.)

12-17-16 2830.0

Replaced Battery with Gill
 Battery G-243 serial # G02809650
 Alan McPherson owner
 Alan Mc

12/21/16 N8139D HOBBS: 2833.9
 REPLACED LEFT MAIN WHEEL (TUBE)
 WITH NEW. NO LEAKS NOTED.
 Stewart Hill 3410769

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

Mid-South Avionics (KEY)
 950 Mitchell Field RD SE
 Bessemer, Alabama 35022
 CRS # ZY4R717M

A/C Registration: N8139D A/C Make: Cirrus
 A/C Model: SR 20 A/C S/N: 1368
 Tach Time: 2998.0 Total Time:

REMOVED; Logic Module P/N 14610-004 from MCU 120 P/N 16600-011.
 INSTALLED; New Logic Module P/N 14610-004 in MCU 120 P/N 16600-011. System ops checked good per Cirrus SR 20 Maintenance Manual

The appliance and/or component identified was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for Return to Service. Aircraft is Airworthy in respect with work performed.

Details on File under W/O NO.: 1875 Date: September 26, 2018
 Authorized Signature: *James DeLorenzo* Cert # 2738331

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
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Date: 1/04/2019; Aircraft: N8139D; Type: SR20; S/N: 1368; Hobbs: 1383.4; Total Time: 2520.7

Performed Annual Inspection per Cirrus SR20 AMM chapter 5-20. Removed all inspection panels, insp & lubed all cables, pulleys, rod ends & bellcranks. Replaced nose wheel steering spindle cup and bearing. Replaced nose wheel tire & wheel bearings. Lubed aircraft. Replaced both main gear wheel pant mounting bracketts. Replaced standby alternator with new unit. Replaced tach sensor P/N 12323-002 with new unit. Replaced tach ind P/N 12620-002 with repaired unit. Performed A.D. research thru bi-weely revision #2018-24. C/W A.D. 2008-11-18 on exhaust system. No discrepancies. Inspected ELT system IAW FAR 91.207 (d). No discrepancies, battery due Aug/2021.

I certify this airframe engine / propeller has been inspected IAW a 100 hr / Annual Inspection and found to be airworthy.

WO# 17166 Date 1-4-19

Signed R. Ant I12745080
 For Hawthorne Global Aviation Services
 4800 Carter Dr Tuscaloosa, AL 35401
