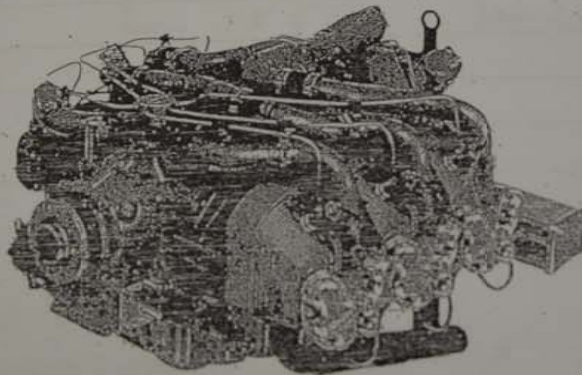


DELTA CONNECTION ACADEMY

CIRRUS ENGINE REMOVAL & INSTALLATION WORK PACKAGE

WO# <u>28712</u> NR <u>610 DA</u>		A/C MODEL NO. <u>SR20</u>	DATE: <u>3-7-14</u>
		A/C S/N <u>1847</u>	
		LAST	
		AIRFRAME TYPE <u>5673.7</u>	
PLANT: <u>5673.9</u>	S/N <u>1006649</u>	S/N <u>1006649</u>	
ENGINE IN <u>6445.300</u>	ENGINE REMOVED		ENGINE INSTALLED
IN <u>5579.3</u>	1362.5	ENGINE TTE <u>1457.1</u>	ENGINE TTE <u>1457.1</u>
LAST INSP.	REBUILD	ENGINE SMOH <u>REBUILD</u>	ENGINE SMOH <u>RB</u>
E.L.S. SENSE			
LAST INSP. <u>94.6</u>			
DOHSI DUE	S/N <u>EF535B</u>	S/N <u>EF535B</u>	
if applicable	PROP. REMOVED	PROP. INSTALLED	
NEXT	PROP TTP <u>5480.2</u>	PROP TTP <u>5574.8</u>	
INSP <u>5773.9</u>	PROP SMOH <u>1263.4</u>	PROP SMOH <u>1358.0</u>	

Maint + change



CIRRUS ENGINE RUN INSPECTION

28792 610PA		engine installation post check run	
COMPONENT			
Ignition Switch Check		ok	
Rafson Below 1000 RPM			
Fuel Pumps	LBS	14.5	
Oil Pressure	LBS	41	
Alternator 1	AMP	14	
Alternator 2	AMP	6	
Oil Temp	F	182	
Gov. Control Check		✓	
Mag Drop Left	RPM	30	
Mag Drop Right	RPM	20	
Alternate Air	DROP	0	
Cylinder Head Temp		1 386	2 414
		3 392	4 418
		5 395	6 420
Exhaust Gas Temp		1	2
		3	4
Static RPM		before 2530	after 2600
Idle Speed	RPM	820	
Idle Mixture	RISE	+40	
Cabin Heat		✓	
Control & Trim Check		✓	
Signature check run		certified	
DATE 3-14-14			

ALL MAINTENANCE IS TO BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S ESTABLISHED PROCEDURES AND FAA REGULATIONS

CIRRUS ENGINE INSTALLATION RECORDS CHECK LIST FORM

WO#	DIRECTIONS	ACTION TAKEN	MECH	CERTS
2878.2		NG/ODA		
1	Remove engine from shipping crate Record P/N and S/N on installation list Forward ALL mfgs. Info. Pkg. to PARTS DEPT.	N/A		
2	Remove appropriate primer port, oil pressure, sump drain and exhaust port plugs and covers 71-70 (Save all covers and plugs for install on old eng)	N/A		
3	Drain oil sump and Cyls. of preservation oil, Install new quick drain and safety 71-00	N/A		
4	Install M. A. P. and Oil pressure sensors 79-30	Sensors not removed		
5	Install and safety new oil temperature probe if not in from factory 79-30	Not removed		
6	Install and safety TACH Gen 77-00	NOT removed		
7	Install OIL & Air Separator Return Line to engine above the TAC GEN 71-70	Line not removed		

DATE 3-13-14

ALL MAINTENANCE IS TO BE DONE IAW THE MANUFACTURES ESTABLISHED PROCEDURES AND FAA REGULATIONS

ENGINE INSTALLATION RECORDS CHECK LIST FORM

ITEM#	DIRECTIONS	ACTION TAKEN	MECH	CERTS #
8	Install Eng. Mount to A/C using new hardware. record P/N and S/N on Installation list. 71-20 para 2 If applicable	Install engine Mount to Aircraft and torque bolts to 40 Ft lbs. Applied torque seal. S/N Install: 157114	[REDACTED]	3/12/14 DATE 3/13/14
9	Install engine assy. on aircraft Eng. Mount. Using new isolators and hardware. Permanent log 71-10 entry Is issued for this entry	Install Engine isolator to Engine Mount IAW Cirrus Maintenance Manual 71-20pg 4 thru 4 - End -	[REDACTED]	3/12/14 DATE 3/13/14
10	Route and attach wiring for oil temp. 71-50	Oil Temp wiring Routed and Attached	[REDACTED]	DATE 3-12-14
11	Install fuel drain lines Attach to sump with attached bracket 71-70	Fuel drain lines have been attached to the sump.	[REDACTED]	DATE 3-13-14
12	Connect fuel pump drain lines 71-70	Fuel pump drain lines have been connected	[REDACTED]	DATE 3-13-14
13	Install grounding straps on isolators at left front and right rear positions 71-50	Install ground strap on isolators at left front and right rear position	[REDACTED]	DATE 3/12/14
14	Install GROUND STRAP to AFT RT side of eng. 71-50	Install ground strap to AFT Right side of engine	[REDACTED]	DATE 3/12/14

ALL MAINTENANCE IS TO BE DONE IAW THE MANUFACTURER'S ESTABLISHED PROCEDURES AND FAA REGULATIONS

ENGINE INSTALLATION RECORDS CHECK LIST FORM

ITEM#	DIRECTIONS	ACTION TAKEN	MECH	CERTS #
15	Route and attach CHT wires	Previously Cht. Verified security of CHT	[REDACTED]	DATE 3-13-14
16	77-20 para D & 71-50 para 2 Install Exhaust pipes and muffler assy. ON RIGHT SIDE	Install Exhaust pipe and muffler Assy on right side. - End -	[REDACTED]	DATE 03/12/14
17	78-10 & 78-20 Install Exhaust pipes and muffler assy. ON LEFT SIDE	Installed LH exhaust system	[REDACTED]	DATE 3-13-14
18	78-10 & 78-20 Install HEAT SHROUD on muffler assy. ON RIGHT SIDE (if app.)	Install Heat shroud on Muffler Assy on right side. - End -	[REDACTED]	DATE 3/12/14
19	78-10 & 78-20 Route and attach EGT wires if applicable.	Route and Attach EGT wires on Right side	[REDACTED]	DATE 3/12/14
20	77-20 para D & 71-50 para 2 Route and attach Governor control cable	Gov. Control Cable Attached and Routed	[REDACTED]	DATE 3-12-14
21	76-10 & 61-20 Route, attach and rig Mixture control and install new control arm	Route attach and rig Mixture control and install control arm already installed. - End -	[REDACTED]	DATE 3/12/14
	71-40 & 76-10			

ALL MAINTENANCE IS TO BE DONE IAW THE MANUFACTURER'S ESTABLISHED PROCEDURES AND FAA REGULATIONS

ENGINE INSTALLATION RECORDS CHECK LIST FORM

ITEM#	DIRECTIONS	ACTION TAKEN	MECH	CERTS #	DATE
22	Route and attach wiring for Mags, oil temp, and tach generator	Wiring for Mags, oil temp and tach gen. has been attached and hooked.	[Redacted]	[Redacted]	DATE 3-10-14
71-50					
23	Install new or repaired LEFT aft baffling halve on aft. eng. Area.	Lt aft baffle not removed. Verified security	[Redacted]	[Redacted]	DATE 3-13-14
71-00 para B					
24	Install new or repaired RIGHT aft baffling halve on aft. eng. Area.	Rt aft baffle not removed. Verified security	[Redacted]	[Redacted]	DATE 3-13-14
71-00 para B					
25	Seal baffling halves with RED RTV at engine case	Sealed w/red RTV	[Redacted]	[Redacted]	DATE 3-13-14
71-00 para B					
26	Install new or repaired LEFT SIDE baffling halve eng. Area.	Installed Repaired Lt side baffle	[Redacted]	[Redacted]	DATE 3-13-14
71-00 para B	see item 61				
27	Install new or repaired RIGHT SIDE baffling halve on. eng. Area.	Installed right side b baffling	[Redacted]	[Redacted]	DATE 3-13-14
71-00 para B	See item #57				
28	Seal baffling halves with RED RTV at engine case	Sealed baffle w/red RTV	[Redacted]	[Redacted]	DATE 3-13-14
71-00 para B					

ALL MAINTENANCE IS TO BE DONE IAW THE MANUFACTURES ESTABLISHED PROCEDURES AND FAA REGULATIONS

ENGINE INSTALLATION RECORDS CHECK LIST FORM

ITEM#	DIRECTIONS	ACTION TAKEN	MECH	CERTS #	DATE
29	Route magneto leads left side & clamp in position and record P/N and S/N on installation list.	route mag leads LA side	[REDACTED]	[REDACTED]	DATE 3-13-14
71-50					
30	Route magneto leads right side & clamp in position and record P/N and S/N on installation list.	Magneto leads has been re② Reouted magneto leads	[REDACTED]	[REDACTED]	DATE 3-13-14
71-50					
30	Route starter wires and clamp as required. Remove or replace starter as required and 71-50 record P/N and S/N on installation list.	Route starter wire	[REDACTED]	[REDACTED]	DATE 3-13-14
32	Install breather tube and hose to aft baffle	Installed breather tube	[REDACTED]	[REDACTED]	DATE 3-13-14
71-00					
33	Install environmental hoses	I installed environmental hoses	[REDACTED]	[REDACTED]	DATE 3-13-14
71-60					
34	Install fuel pressure hoses.	Install Fuel pressure hose and clamp. — End —	[REDACTED]	[REDACTED]	DATE 3-13-14
73-00					
35	Route # 1 alternator wiring	Route alternator wiring	[REDACTED]	[REDACTED]	DATE 3-13-14
24-30	>NOTE<				
	DO NOT clamp until FWD baffling is installed				

ALL MAINTENANCE IS TO BE DONE IAW THE MANUFACTURES ESTABLISHED PROCEDURES AND FAA REGULATIONS

ENGINE INSTALLATION RECORDS CHECK LIST FORM

ITEM#	DIRECTIONS	ACTION TAKEN	MECH	CERT
36	Install RIGHT front baffling and route wiring through baffling where necessary	Installed right front baffling & routed wiring through baffling	[REDACTED]	DATE 3-13-14
71-00	See item 4156, 4158, 4159			
37	Install # 1 alternator assy. and attach wiring and record P/N and S/N on Installation list 24-30 para 2	I installed & attached wiring	[REDACTED]	DATE 3-13-14
38	Install # 2 alternator assy. and attach wiring and record P/N and S/N on Installation list 24-30	Alternator #2 Wiring installed	[REDACTED]	DATE 3-12-14
39	Install oil pressure sensor wire. and MAP sensor wire	Installed MAP and oil pressure sensor wires	[REDACTED]	DATE 3-13-14
71-50				
40	Install air intake Filter assy	I installed air intake assy	[REDACTED]	DATE 3-13-14
71-60				
41	Route, attach and rig Throttle control and install new arm.	Throttle Control Installed	[REDACTED]	DATE 3-12-14
71-40 & 76-10				
42	Install prop. Governor and cable and rig Record P/N and S/N on Installation list.	Gov. Cable Installed	[REDACTED]	DATE 3-12-14
61-20 para 2				

ALL MAINTENANCE IS TO BE DONE IAW THE MANUFACTURES ESTABLISHED PROCEDURES AND FAA REGULATIONS

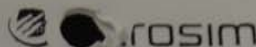
ENGINE INSTALLATION RECORDS CHECK LIST FORM

ITEM#	DIRECTIONS	ACTION TAKEN	MECH	CERT
43	Install remaining LEFT front baffling	Installed Left front baffle	[Redacted]	[Redacted]
71-00				
44	Install PULLY/SHEAVE support assy and new alternator belt. On PROP	Install Pully support assy and alternator belt on Propeller. - End	[Redacted]	[Redacted]
61-10				
45	Install Propeller Assy. With BACKING PLATES. Torque and safety. Record P/N and S/N on installation sheet	Propeller Assy with Backing Plates installed torqued at 70 ft-lb IAW Cirrus H. Manual 61-10 page 3 Line 3	[Redacted]	[Redacted]
61-10				
46	Tighten alternator belt and safety.	Alternator belt has been tightened and safetied	[Redacted]	[Redacted]
24-30 para 2				
47	Install spinner	Prop Spinner Installed	[Redacted]	[Redacted]
61-10				
48	Service eng. with MINERAL OIL. Place a placard on the engine	Not applicable due to Engine time. - End	[Redacted]	[Redacted]
12-00	cowling reading "MINERAL OIL ONLY"			
49	Reseal all control cables and wiring passing through firewall	Sealant not removed and is in serviceable condition	[Redacted]	[Redacted]
53-00	(if applicable)			

ALL MAINTENANCE IS TO BE DONE IAW THE MANUFACTURES ESTABLISHED PROCEDURES AND FAA REGULATIONS

ENGINE INSTALLATION RECORDS CHECK LIST FORM

ITEM#	DIRECTIONS	ACTION TAKEN	MECH
50	Perform eng. runup and check out rigging on ALL CONTROLS	Performed engine runup all controls in rig	[REDACTED]
76-00	ADJUST RIGGING AS NECESSARY		DATE 3-14-14
51	Perform engine fuel meter test ADJUST AS NECESSARY	Performed engine fuel meter test, adjusted as necessary	[REDACTED]
73-00	Cont. SID 97-3 (use cur. Rev.)	Test check good	DATE 3-14-14
52	HAVE ENGINE QA'ed BEFORE COWLED	Engine QA'ed before cowled	[REDACTED]
50-1			DATE 3-14-14
23	Install engine cowling Check for "MINERAL OIL ONLY" placard	Not Applicable due to engine time. —End—	Alvin Robinson [REDACTED]
71-10	para C		DATE 3/13/14
54	Aircraft requires a break-in flight Cont. SB M89-7 (use cur. Rev.)	Entered in maintenance con W/O 28013 Line 16	[REDACTED]
10-00			DATE 3-14-14
55	Left cowling nose bowl nut plate is broken off	Left Cowling nose bowl nut plate has been replaced.	[REDACTED]
			DATE 3-13-14
56	Front Right Baffle Broken at screw hole center crankcase attach point	Repaired Front Right Baffle by riveted patch at center crankcase Attach point to Front Left Baffle —End—	7031/1 [REDACTED]
			DATE 3-8-14

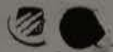


INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 28792

N# 610DA

INSP: 100HR ANNUAL EV1 EV2 EV3 EV4				TTAF METER:	TTAF:	ATA	Signature, Certificate Type and Number and Date
ITEM	DISCREPANCY	MED:	CORRECTIVE ACTION				
57	RTI Baffle cracked at nut plate for center cylinder (#3) Standoff	1mb	I installed, repaired baffle.			7 5 1 0	
58	Front RTI Baffle cracked At Area by Alternating Fuel pump mount (marked)	1mb	I installed repaired baffle			7 5 1 0	
59	Front RTI Baffle cracked by cyl #5 side flange (marked)	1mb	I installed repaired baffle			7 5 1 0	
60	PLH strut removed for m/x	1mb	Nose Landing gear strut install New cotter pins install.			3 2 0 0	
61	Lt side baffle cracked	82	Installed patch on LH side baffle at crack			75 10	
62	Prop governor control rod end excessively worn	82	Prop. governor Control Rod end removed and replaced				
63	Intention rod to be re-installed	ETP	Intention has been re-installed				



11. (a) $\Delta E = 1.07 \times 10^{-18} \text{ J}$

INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 28792

N# 610DA

INSP: 100HR ANNUAL	EV1	EV2	EV3	EV4
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TTAF METER:

TTAF:

...California Type and Number and Use

ITEM	DISCREPANCY	MED.	TTAF METER:	TTAF:	ATA	Signature, Card
			CORRECTIVE ACTION			
64	Route and attach EGT wires on Left side	MM	Route and attached LH side EGT probes	77	00	
65	Alt air cable needs clamp and attached to flap	SMU	Installed alt air clamp and cable and secured	70		
						A&P
						DATE
						A&P
						DATE
						A&P
						DATE
						A&P
						DATE
						A&P
						DATE

October 26, 2011 (Rev. 1)

INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

PAGE 1313

INSPECTION SUMMARY

AEROSIM FLIGHT ACADEMY 2100 Flight Line Ave. Sanford, FL 32773 Phone (407) 330-7920

WO #	30374	INSPECTION:	100HR	MODEL:	SR-20 G2
N	610DA	S/N 20:	1847	DATE:	7/11/15
Hobbs In	7225.3	AIRFRAME TTAF	6263.6	DUE DATES	
Flight Hobbs In	6263.6	ENGINE TTE	2046.8	Transponder	Oct-15
Flight Hobbs Last Insp.	6171.8	ENGINE SMOH	REBUILT	PFD Altimeter (Primary)	Oct-15
T.I.S. This Cycle	91.8	PROP TTP	6164.5	Altimeter (Secondary)	Oct-15
Next 100HR Due at TTAF	6363.6	PROP SMOH	1947.7	Static System	Oct-15
Next 100HR Due at Flight Hobbs	6363.6	ENG. SN	1006649	Mode C	Oct-15
		PROP SN	EF535B	E.L.T. Battery Replacement	Mar-18
				Registration Expiration Date	Mar-16
				Annual Due	May-16

This Aircraft Inspection Summary reflects the correct times and dates for the inspections and recurring Airworthiness Directives listed below.

Sign

A/P

STAMP

AIRFRAME

STAMP

ENGINE

STAMP

PROP

time/date IN
7/11/15 7:00

time/date OUT

Labels

AD	INFO	CYCLE	METHOD of COMPLIANCE	Signature & Cert. #	Next Due
93-05-06	ACS Ignition Switch	2,000 Hours T.I.S.	Not due at this time. - Ent	AT TTAF	7804.4
2008-11-18	Heat Exchanger	100 Hours T.I.S.	N/A This Aircraft S/N	FLIGHT HOBBS	7804.4
				AT TTAF	N/A
				FLIGHT HOBBS	N/A

SB	INFO	CYCLE	METHOD of COMPLIANCE	Signature & Cert. #	Next Due
2X-32-18 R2	Nose Gear Inspection	100 Hours T.I.S.	CW 2X-32-18 R2. See discrepancy for more detail. - Ent	AT TTAF	6363.6
				FLIGHT HOBBS	6363.6

LIFE LIMITED PARTS SR20			Verified By (Sign., Cert Type and Number)	Date
AIRCRAFT LIFE LIMITED @ 12,000 TTAF per TCDS A90009CH				
CAPS ROCKET MOTOR	EXPIRES	Aug-17	[Signature]	7/11/15
CAPS PARACHUTE	EXPIRES	Jul-17		
CAPS REEFING LINE CUTTERS	EXPIRES	Aug-18		
EMA CONTROLLER AAIR	EXPIRES	Jun-20		
PILOT SEAT INFLATOR ASSY AAIR	EXPIRES	6/1/17		
CO-PILOT SEAT INFLATOR ASSY AAIR	EXPIRES	6/1/17		
Weight & Balance	AIRCRAFT EMPTY WT.	MOMENT	EMPTY WEIGHT C.G.	USEFUL LOAD
	2,137.5	302,238	141.4	862.5
Weight & Balance information from current P.O.H. Section 6.				
			DATE	4-4-08

30382

30045	N610DA	07/11/15
I certify that this AIRFRAME has been inspected in accordance with a 100HR inspection and was determined to be in: <u>air</u>		
1	UNAIRWORTHY condition. See list of discrepancies, OR	AIRWORTHY condition.
Signature	Certs Type & Number	Date
		7-11-15
	TTAF	6263.6
I certify that this AIRFRAME has been inspected in accordance with a 100HR inspection and was determined to be in: <u>air</u>		
2	UNAIRWORTHY condition. See list of discrepancies, OR	AIRWORTHY condition.
Signature	Certs Type & Number	Date
		7-11-15
	TTAF	6263.6
I certify that this AIRFRAME has been inspected in accordance with a 100HR inspection and was determined to be in: <u>air</u>		
3	UNAIRWORTHY condition. See list of discrepancies, OR	AIRWORTHY condition.
Signature	Certs Type & Number	Date
		7-11-15
	TTAF	6263.6

FOR ANNUAL INSPECTION ONLY		
I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in: _____		
1	UNAIRWORTHY condition. See list of discrepancies, OR	AIRWORTHY condition.
Signature	Certs Type & Number	Date
	A&P	IA
	TTAF	

Notes

(NOTE 1) Replace at Annual Inspection, at 200 hours, or when filter is more than 50% covered by foreign material.

Replaced @ TTAF	Due @ TTAF
6171.8	6371.8

(NOTE 2) Every 300 hours and at first 100-Hour Inspection on new, rebuilt, or overhauled engine, remove and clean fuel injection nozzles per Teledyne Continentals Motors Maintenance Manual, Section 5.

Cleaned @ TTAF	Due @ TTAF
6171.8	6471.8

(NOTE 3) Inspect Fuel Injection System after engine installation, every 100 hours, at annual, or fuel system component replacement.

(NOTE 4) Every 500 hours. Inspection internal on new, rebuilt, or overhauled Magnetos IAW manufacturer's approved instructions.

	Magnetos Replaced or Inspected @ TTAF	Magneto Replacement or Insp. Due @ TTAF	Magneto S/N
LT	6171.8	6671.8	009FA109
RT	5997.6	6497.6	001DA038R

ICA CHECK		MECH INT.
1	Check for any ICA's	If any, write up all ICA's as discrepancies

OTHER CHECKS and DUTIES		MECH INT.
1	Check for Propeller to Ground clearance MM 32-20 pg 13 D (3)	
2	Ensure FLIGHT HOURS Hour Meter is not running while on the ground	
3	Download DATA for trend Monitoring	



WO# 30045

N 610DA

POST-INSPECTION QA CHECKLIST CIRRUS SR-20

Before Cowling/Wheel Fairing Installation

- ☒ Engine oil serviced with proper grade to correct level
- ☒ Spark plug leads and B-nuts secure
- ☒ Oil sump screen, oil filter and fuel strainer properly safetied
- ☒ Brake clai pers are secured
- ☒ Axle nuts are safetied

Wings

- ☒ All inspection panels installed
- ☒ All navigation and strobe lights operate properly
- ☒ Ailerons have freedom of movement and correct direction of travel
- ☒ Left aileron properly safetied
- ☒ Flaps operate correctly

Fuselage

- ☒ All inspection panels installed
- ☒ All instrument, panel, overhead, map and courtesy lights operate properly
- ☒ Control yokes have freedom of movement
- ☒ Rudder pedals have freedom of movement
- ☒ Seats are installed correctly (with stops) and on tracks
- ☒ Seat electrical connections properly secured
- ☒ P.O.H (including supplements), Registration and Airworthiness
- ☒ Certificate current, on-board and stowed
- ☒ Cowling hardware is properly installed

Empennage

- ☒ All inspection panels are installed
- ☒ All navigation and strobe lights operate properly
- ☒ Elevator and rudder have freedom of movement

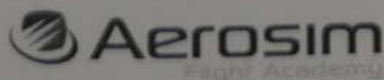
Landing Gear

- ☒ Nose gear fork retention cotter pin correctly installed
- ☒ Fairings are installed correctly and secure

Walk-around inspection and inspection work package complete; aircraft is safe for return to service.

Date

Signature of Quality Assurance Representative



WO# 30045		N 610DA	
DATE 7-11-15		DATE 7/11/15	
COMPONENT and CHECK	PRE-RUN	POST-RUN	
1. Flight Controls full range	✓	✓	
2. Engine Controls	✓	✓	
3. Battery 2 Master Switch	When switch is toggled ON the following should occur:		
a. PFD indicates at least 24 volts on Essential Bus	✓	✓	
b. ALT 2 Caution light illuminates	✓	✓	
c. Flap position light OFF	✓	✓	
d. Autopilot ready indication on both PFD and flight autopilot after gyro spool-up	✓	✓	
e. PFD aligned within five minutes with no error messages	✓	✓	
f. Standby attitude gyro aligned within five minutes	✓	✓	
4. Battery 1 Master Switch	When switch is toggled ON the following should occur:		
a. ALT 1 and ALT 2 fail lights should be on	✓	✓	
b. Flap position light illuminates	✓	✓	
c. Engine parameters on PFD are operational, MAP display should indicate approx. altimeter setting	✓	✓	
d. Turn Battery 2 off and verify PFD remains functional	✓	✓	
e. Verify PFD indicate at least 24v on Main Bus	✓	✓	
5. Pitot Heat turn on & verify pitot tube heats up	✓	✓	
6. Start Engine set on Speed @ 1000 RPM	✓	✓	
7. Oil Pressure norm green arc 30 sec	✓	✓	
8. Flaps retracted: position light illuminates	✓	✓	
9. Flaps 50% : position light illuminates	✓	✓	
10. Flaps 100% : position light illuminates	✓	✓	
11. Trim Controls full range of travel	✓	✓	
12. Altimeter set barometric press norm. 50 ft field elev.	✓	✓	
13. Vertical Speed Indication zero	✓	✓	
14. Communications:	A working head set is required to properly test		
a. Verify all four headset jacks operate properly	✓	✓	
b. Verify the communications capability on both the high and low end of the VHF band	✓	✓	
15. Lighting	Verify lighting controls, avionics lighting sensors, and lights operate properly:		
a. Landing Light	✓	✓	
b. Navigation lights	✓	✓	
c. Anticollision lights	✓	✓	
d. Instrument backlighting: ASI	✓	✓	
e. Instrument backlighting: AH	✓	✓	
f. Instrument backlighting: Altimeter	✓	✓	
g. Avionics Brightness: Audio Panel	✓	✓	
h. Avionics Brightness: GPS/COM/NAV 1 and 2	1 ✓ 2 ✓	1 ✓ 2 ✓	
i. Avionics Brightness: Transponder	✓	✓	
j. Avionics Brightness: optional equipment	✓	✓	

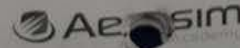
k. PFD display and bezel key brightness	✓	✓
l. MFD display and bezel key brightness	✓	✓
16 Alternator 1 Load @ < 1000 RPM LOW VOLT light is off, Ammeter shows no current discharge with avionics, pitot heat and landing and nav. lights on	✓	✓
17. Magneto RPM Drop @ 1700 RPM Max 100 w 50 dif	L 50 R 50	L 50 R 50
18. Fuel Selector Valve verify fuel flow, both positions	4.8 ✓	5.1 ✓
19. Alternate Induction Air	✓	✓
20. Alternator 2 Load @ 2200 LOW VOLT light is off, Ammeter shows no discharge with load applied to essential buss	S. A-P ✓	✓
21. Engine Full Power (2625-2675)	2600	2610
22. Fuel Flow @ 2650 16-18 gal/hr	PFD 17.0 MFD 17.0	PFD 16.9 MFD 16.9
23. Oil Temperature	1 170	155
24. Cylinder Head Temperature	362	350
25. Exhaust Gas Temperature	1400	1350
26. Brakes (no movement at full power)	✓	✓
27. Propeller Governor Increase RPM slightly past 2000RPM. Governor should reduce RPM 100 - 200 RPM.	✓	✓
28. Engine Idle at full aft position (600-750)	FF 1.6 600-850	850
29. Magneto Grounding @ 1000 RPM	✓	✓
30. Engine Cut Out and Shut Down Move mixture control lever slowly towards idle/cutoff. Should note 50 +/- 20 RPM rise before engine begins to sputter.	+50	+50

PRE-RUN Signature

A&P

POST-RUN Signature

A&P



N 610DA

INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 30045

TTAF: 6263.6

INSP: 100 HOUR		FLIGHT HOBBS:		ATA
ITEM	DISCREPANCY	MECH	CORRECTIVE ACTION	
4	#6 CR. Low- COMPRESSION. 38 PSI.	\$0	let cyl #6 soak w/ oil. Did post run and rechecked compression. PASS 50 PSI — end —	10000
5	Prop clearance fault, nose gear bucks and chuck and replace if damaged	ON	Shimmed the NLG. Passes the prop clearance test. Good for service. end —	3200
6	ENGINE TROUBLE (Nose gear) WELDMENT ON TRIMMITY CHECK DYE - PENETRANT	\$0	Inspected NLG Gusset and found to be in serviceable condition at this time	3200
7	INSTALL OIL - FILTER — SAFETY WIRE —	\$0	Oil filter was already installed. Safety wired the filter. — end —	3200
8	Nose tire need replaced	ON	Replaced nose gear tire good for service	3200
9	AIR FILTER - NEEDS CHANGE	\$0	Removed and Replaced the engine air filter.	3200
10	BATTERY BREATHING HOSE GRABING AC CLAMP —	\$0	installed serviceable battery breathing hose	3200



Delta Connection Academy

INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 30015

N# 61024

INSP: 190HR	ANNUAL	EV1	EV2	EV3	EV4	TTAF METER:	TTAF: 6263.6	ATA	Signature, Certificate Type and Number and Date
ITEM	DISCREPANCY	MECH.	CORRECTIVE ACTION	ATA					
11	Pilot seat honey comb need replaced	01	Replaced pilot seat honey comb. END	2 5 4 0					
12	Copilot seat honey comb need replaced	02	Replaced and replaced Copilot Side seat Absorbent Module	3 5 4 0					
13	Pilot seat belt fabric cover torn	01	Replaced pilot seat belt	2 5 4 0					
14	Copilot seat belt fabric cover torn	02	Repaired copilot seat belt fabric. END	2 5 4 0					
15	Right mid flap bracket some sign of corrosion at the bottom end.	02	Upon further inspection the rt mid flap attach bracket is free of corrosion. Bottom area had some scuffed paint.	3 5 4 0					
16	Yellow stickers both main gear activated	01	Inspected brake caliper no leaks noted. Replaced yellow temp sticker on both main gears	2 5 4 0					
17	Left brake pads need replaced	02	Replaced LH main gear brake linings. END	2 5 4 0					



INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 30045

N# 610877

INSP: 100HR ANNUAL EV1 EV2 EV3 EV4	TTAF METER:	TTAF: 6263.6	ATA	Signature, Certificate Type and Number and Date
ITEM	DISCREPANCY	MECH.	CORRECTIVE ACTION	
18	Drift brake line sliding at caliper consulted	OK	Tighten fitting at PT main gear brake caliper, no leaks. END	3 8 0
19	BOTTOM CONN NEEDS - CLEANING	FO	BOTTOM - CONN - CLEAN - UP	7 1 0
20	OIL SERVICE - TUBE - LOOSE	FO	Re-secured the filler tube back into place. Good for service - END	7 9 0 0
21	OIL MEASURING STICK - LOOSE -	FO	Tightened up the clamp around the oil dip stick. No more movement. Good for service - END	7 9 0 0
22	ENGINE THROTTLE TAIL PIPE OR INNER BRACKET GOT ELONGATED HOLE -	FO	Exhaust pipe (right) Inboard Bracket Replaced.	7 8 0 8
23	THROTTLE GEAR - EXCHANGED TAIL PIPE - LOOSE -	FO	Removed and Replaced Right tail Exhaust pipe clamp.	7 8 0 0
24	ENGINE GOVERNOR CONTROL CABLE LOOSE ON MAIN - BRACKET -	FO	Tightened Gov Control cable at Bracket on Engine	7 0



INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 30045

N# 6108A

INSP: 100HR ANNUAL EV1 EV2 EV3 EV4				TTAF METER:		TTAF: 6263.6		Signature, Certificate Type and Number and Date	
ITEM	DISCREPANCY	MECH.	CORRECTIVE ACTION	ATA					
25	ENGINE FRONT Baffle 4/side CRACKED — #602BING BRACKET (from #6 cylinder to baffle)	fo	Replaced Left Front Baffle with serviceable	7 5 1 0					
26	AIR FILTER ASSY T UNIT CRACKED ON SIDE OF BRACKET BOTTOM	fo	Upon further inspection found the air filter assy T unit to have a crack not a crack. Replaced T-unit. Ok for service.	70					
27	Cabin opened for inspection	ON	Installed interior-EMD	2 5 4 0					
28	Wings panels need closed	ON	Under wing panels re- installed and closed	5 7					
29	Both left and right gear fairing need closed	ON	Installed LH and RH main gear fairings and	3 2 0 0					
30	Fuselage panels need reinstalled	ON	Re-installed fuselage panels	3 2 0 0					
31	Nose gear attaching bolt left + right not played	ON	Inspected left and right N/G Attach hardware (Installed bolts and Spheres and Replaced Left Side tube spacer and bushing)	0 0 0 0	Date: 11/10/00				



INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO#

N# 610DA

INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD					WO# 30045	N# 6102A
ITEM	DISCREPANCY	MECH.	TTAF METER:	CORRECTIVE ACTION	TTAF: 6263.6	Signature, Certificate Type and Number and Date
32	SPINNER HUB Rivet missing - HEAD (AS INSTRUCTIONS)	\$0		Removed and Replaced the broken rivet on the prop spinner bulkhead.	61	
33	INSTALL - SPINNER	\$0		Installed Spinner.	61	
34	ENGINE TO POST (ZONE of LEAK. CHECK.)	\$0		Post run leak check complete. Runs good. No leaks noted at this time - end	01	
35	ENGINE TO FUEL FLOW - TEST -	\$0		Fuel set up complete. end	05	
36	ENGINE TO COWL - UP -	\$0		Installed cowl - End -	71	
37	LH main landing gear fairing well nut three missing	LB		Replaced LH main gear fairing well nuts - END.	32	

Date: 7-11-15 Location: SFB

Elevation: 55'

OAT:

Field "Hg:

Aircraft Make & Model: Cirrus SR-20

Aircraft Registration #: N610DA

Engine Model: IO360ES

Engine Position: Front

Engine Serial Number: 1006649

Engine Total Time - New - Overhaul

Fuel System Adjustment - Record engine specifications and actual gauge indications.

				Fuel Pressure				Fuel Flow		EGT	Cylinder Head Temp. - F						Oil		Adjustment	
R.P.M.		M.A.P.		Unmetered		Metered		Spec	Actual	°F	1	2	3	4	5	6	PSI	°F	# of turns	
Spec	Actual	Spec	Actual	Spec	Actual	Spec	Actual												CW	CCW
600	800		16.1	7.0-9.0	9.0			1.0	680	326	330	316	330	326	318	210	145			
2700	2610		29.9	21.0-24.0		13.4-15.0	15.0	16.4-17.4	16.7	1335	344	360	340	350	382	380	44	193		

Flight Test Data - Record gauge indications

R.P.M.		M.A.P.		Pressure Altitude - (Set altimeter to 29.92" Hg)	Fuel Flow		EGT °F		CHT °F		Oil PSI		Oil Temp. °F		I.A.S. knots
Spec	Actual	Spec	Actual		Spec	Actual	Spec	Actual	Spec	Actual	Spec	Actual	Spec	Actual	
				1,000											
				2,000											
				3,000											
				4,000											
				5,000											
				6,000											
				8,000											
				10,000											

Idle mixture rise RPM: 150

L/H Drop: 50 R/H Drop: 50

Signature: [Redacted]

7/11/15

340-34

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STATUS
10DA
SR20

INSPECTION SUMMARY

AEROSPACE FLIGHT ACADEMY 3300 Flight Line Ave. Sanford, FL 32733 Phone (407) 335-7000

WO #	29618	INSPECTION:	ANNUAL	MODEL:	SR-20 LX
N	610DA	S/N 20:	1847	DATE:	5/31/15
Hobbs In	7091	AIRFRAME TTAF	6171.8	Transponder	Oct-15
Flight Hobbs In	6171.8	ENGINE TIS	1055	PFD Attenuator (Primary)	Oct-15
Flight Hobbs Last Insp.	6096.3	ENGINE SMCH	REBUILT	Altimeter (Secondary)	Oct-15
T.T.S. This Cycle	75.5	PROP TTP	6072.7	Static System	Oct-15
Next 100HR Due at TTAF	6271.8	PROP SMCH	1855.9	Mode C	Oct-15
Next 100HR Due at Flight Hobbs	6271.8	ENG SN	1006649	E.L.T. Battery Replacement	Mar-18
		PROP SN	EF535B	Registration Expiration Date	Mar-16
				Annual Due	May-16

This Aircraft Inspection Summary reflects the correct times and dates for the inspections and recurring Airworthiness Directives listed below.

Signature: [Redacted]

AP: [Redacted]

STAMP: [Redacted]

Time/Date IN: 5/31/15 14:00

Time/Date OUT: 6-4-15 07:00

AD	INFO	CYCLE	METHOD OF COMPLIANCE	Signature & Cert. #	Next Due
53-65-06	ACS Ignition Switch	2,000 Hours T.T.S.	Not due @ hrs for	[Redacted]	7804.4
2008-11-18	Heat Exchanger	100 Hours T.T.S.	N/A This Aircraft S/N	[Redacted]	7804.4
				[Redacted]	N/A
				[Redacted]	N/A

AD	INFO	CYCLE	METHOD OF COMPLIANCE	Signature & Cert. #	Next Due
2X-32-18 R2	Noise Gear Inspection	100 Hours T.T.S.	No defects found @ hrs for	[Redacted]	6271.8
				[Redacted]	6271.8

LIFE LIMITED PARTS SR20				Verified By (Sign, Cert Type and Number)	Date
AIRCRAFT LIFE LIMITED @ 12,000 TTAF per TCDS A00090H				[Redacted]	5/31/15
CAPS ROCKET MOTOR	EXPIRES	Aug-17			
CAPS PARACHUTE	EXPIRES	Jul-17			
CAPS REEFING LINE CUTTERS	EXPIRES	Aug-18			
EMA CONTROLLER AJR	EXPIRES	Jun-20			
PILOT SEAT INFLATOR ASSY AJR	EXPIRES	6/1/17			
CO-PILOT SEAT INFLATOR ASSY AJR	EXPIRES	6/1/17			
Weight & Balance	AIRCRAFT EMPTY WT	MOMENT	EMPTY WEIGHT C.G.	USEFUL LOAD	
	2137.5	302.238	141.4	862.5	
Weight & Balance information from current P.O.H., Section 6.					DATE: 02/02/10

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STATUS
102A
5 9R2

29618	N610DA	05/31/15
1 I certify that this AIRFRAME has been inspected in accordance with a 100HR inspection and was determined to be in: _____ UNAIRWORTHY condition. See list of discrepancies. OR AIRWORTHY condition.		
Signature	Certs Type & Number	Date
	A&P	
	TTAF	
2 I certify that this ENGINE has been inspected in accordance with a 100HR inspection and was determined to be in: _____ UNAIRWORTHY condition. See list of discrepancies. OR AIRWORTHY condition.		
Signature	Certs Type & Number	Date
	A&P	
	TTAF	
3 I certify that this PROPELLER has been inspected in accordance with a 100HR inspection and was determined to be in: _____ UNAIRWORTHY condition. See list of discrepancies. OR AIRWORTHY condition.		
Signature	Certs Type & Number	Date
	A&P	
	TTAF	

FOR ANNUAL INSPECTION ONLY

1	I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in: _____ UNAIRWORTHY condition. See list of discrepancies. OR AIRWORTHY condition.	
	& Number	Date
	A&P	IA 5/31/15
	TTAF	6171.8

Notes

(NOTE 1) Replace at Annual Inspection, at 200 hours, or when filter is more than 50% covered by foreign material.

Replaced @ TTAF	Due @ TTAF
6171.8	6371.8

(NOTE 2) Every 300 hours and at first 100-Hour Inspection on new, rebuilt, or overhauled engine, remove and clean fuel injection nozzles per Teledyne Continental Motors Maintenance Manual, Section 5.

Cleaned @ TTAF	Due @ TTAF
6171.8	6471.8

(NOTE 3) Inspect Fuel Injection System after engine installation, every 100 hours, at annual, or fuel system component replacement.

(NOTE 4) Every 500 hours, inspection internal on new, rebuilt, or overhauled Magnetos IAW manufacturer's approved instructions.

Magnetos Replaced or Inspected @ TTAF	Magneto Replacement or Insp. Due @ TTAF	Magneto S/N
LT 6171.8	6671.8	D09FA109
RT 5997.6	6497.6	D01DA038R

ICA CHECK

1 Check for any ICA's	If any, write up all ICA's as discrepancies	MECH. INT.
-----------------------	---	------------

OTHER CHECKS and DUTIES

1 Check for Propeller to Ground clearance MM 32-20 pg 13 D (3)	MECH. INT.
2 Ensure FLIGHT HOBBS Hour Meter is not running while on the ground	
3 Download DATA for trend Monitoring	



WO# 29618

N 610DA

POST-INSPECTION QA CHECKLIST CIRRUS SR-20

Before Cowling/Wheel Fairing Installation

- ☒ Engine oil serviced with proper grade to correct level
- ☒ Spark plug leads and B-nuts secure
- ☒ Oil sump screen, oil filter, carburetor drain, fuel strainer and oil cooler drain cap properly safetied
- ☒ Brake claiipers are secured
- ☒ Axle nuts are safetied

Wings

- ☒ All inspection panels installed
- ☒ All navigation and strobe lights operate properly
- ☒ Ailerons have freedom of movement and correct direction of travel
- ☒ Left aileron properly safetied
- ☒ Flaps operate correctly

Fuselage/

- ☒ All inspection panels installed
- ☒ All instrument, panel, overhead, map and courtesy lights operate properly
- ☒ Control yokes have freedom of movement
- ☒ Rudder pedals have freedom of movement
- ☒ Seats are installed correctly (with stops) and on tracks (if applicable)
- ☒ Seat electrical connections properly secured
- ☒ P.O.H (including supplements), Registration and Airworthiness Certificate current, on-board and stowed
- ☒ Cowling hardware is properly installed

Empennage

- ☒ All inspection panels are installed
- ☒ All navigation and strobe lights operated properly
- ☒ Elevator/Stabilator and rudder have freedom of movement

Landing Gear

- ☒ Nose gear fork retention cotter pin correctly installed
- ☒ Fairings are installed correctly and secure

Walk-around inspection and inspection work package complete; aircraft is safe for return to service.

Date

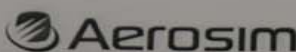
6-2-2015

October 25, 2011 (Rev. 1)

POST-INSPECTION QA CHECKLIST SR-20

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WO# 29618

N 610DA

DATE 5/31/15

DATE 6-2-15

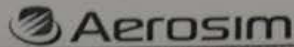
COMPONENT and CHECK	PRE-RUN	POST-RUN
1. Flight Controls full range	✓	✓
2. Engine Controls	✓	✓
3. Battery 2 Master Switch	When switch is toggled ON the following should occur:	
a. PFD Indicates at least 24 volts on Essential Bus	✓	✓
b. ALT 2 Caution light illuminates	✓	✓
c. Flap position light OFF	✓	✓
d. Autopilot ready indication on both PFD and flight autopilot after gyro spool-up	✓	✓
e. PFD aligned within five minutes with no error messages	✓	✓
f. Standby attitude gyro aligned within five minutes	✓	✓
4. Battery 1 Master Switch	When switch is toggled ON the following should occur:	
a. ALT 1 and ALT 2 fail lights should be on	✓	✓
b. Flap position light illuminates	✓	✓
c. Engine parameters on PFD are operational, MAP display should indicate approx. altimeter setting	✓	✓
d. Turn Battery 2 off and verify PFD remains functional	✓	✓
e. Verify PFD indicate at least 24v on Main Bus	✓	✓
5. Pitot Heat turn on & verify pitot tube heats up	✓	✓
6. Start Engine set on Speed @ 1000 RPM	✓	✓
7. Oil Pressure norm green arc 30 sec	56	51
8. Flaps retracted: position light illuminates	✓	✓
9. Flaps 50%: position light illuminates	✓	✓
10. Flaps 100%: position light illuminates	✓	✓
11. Trim Controls full range of travel	✓	✓
12. Altimeter set barometric press norm, 50 ft field elev.	✓	✓
13. Vertical Speed Indication zero	✓	✓
14. Communications:	A working head set is required to properly test	
a. Verify all four headset jacks operate properly	✓	✓
b. Verify the communications capability on both the high and low end of the VHF band	✓	✓
15. Lighting	Verify lighting controls, avionics lighting sensors, and lights operate properly:	
a. Landing Light	✓	✓
b. Navigation lights	✓	✓
c. Anticollision lights	✓	✓
d. Instrument backlighting: ASI	✓	✓
e. Instrument backlighting: AH	✓	✓
f. Instrument backlighting: Altimeter	✓	✓
g. Avionics Brightness: Audio Panel	✓	✓
h. Avionics Brightness: GPS/COM/NAV 1 and 2	1 ✓ 2 ✓	1 ✓ 2 ✓
i. Avionics Brightness: Transponder	✓	✓
j. Avionics Brightness: optional equipment	✓	✓
k. PFD display and bezel key brightness	✓	✓
l. MFD display and bezel key brightness	✓	✓

STATUS

10DA

SR20

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16 Alternator 1 Load @ 1000 RPM LOW VOLT light is off, Ammeter shows no current discharge with engine, pilot heat and landing and nav. lights on	✓	✓
17. Magneto RPM Drop @ 1700 RPM Max 100 w 50 off	L-50 R-10	L 60 R 50
18. Fuel Selector Valve verify fuel flow, both positions	✓	✓
19. Alternate Induction Air	✓	✓
20. Alternator 2 Load @ 2200 LOW VOLT light is off, Ammeter shows no discharge with load applied to essential buses	✓	✓
21. Engine Full Power (2625-2675)	2640	2620
22. Fuel Flow @ 2650 16-18 gphr	PPD 16.4 WFO 16.4	PPD 16.3 WFO 16.3
23. Oil Temperature	164 173	150
24. Cylinder Head Temperature	110 2 3 4 5 6	1 2 3 4 5 6
25. Exhaust Gas Temperature	1 2 3 4 5 6	1 2 3 4 5 6
26. Brakes (no movement at full power)	✓	✓
27. Propeller Governor Increase RPM slightly past 2500RPM. Governor should reduce RPM 100 - 200 RPM.	✓	✓
28. Engine Idle at full aft position (600-750)	890	850
29. Magneto Grounding @ 1000 RPM	✓	✓
30. Engine Cut Out and Shut Down Move mixture control lever slowly towards idlerutoff. Should note 50 - 10 RPM rise before engine begins to sputter.	20	+30

PRE-RUN Signature

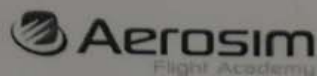
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POST-RUN Signature

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STATUS
10DA
8 9R20

#	DATE:	CIRRUS EQUIPMENT LIST	
ITEM	MAKE	MODEL	SERIAL#
ENGINE	Continental	I0-360-ES16	1006649
PROPELLER	Hartzell	BHC-J2YF-1B	EF535B
GOVERNOR	McCawley	C290D3R/T23	070547
STARTER	Sky-Tec	m/n C245T5	4CS-051522
LEFT MAG	Bendix	10-500556-3	D09FA109
RIGHT MAG	Bendix	10-500556-3	D01DA038R
THROTTLE BODY	Continental	R-652844-1A4	A12EA122R
FUEL FLOW DIVIDER	Continental	R-646508-1067	C12BA127R
HEAT EXCHANGER	—	—	—
ALTERNATOR 1	Kelly	ES-4024LP	H066564
ALTERNATOR 2	Band C specialty products	p/n BC46-1	0187000K
ENGINE MOUNT	Cirrus	11925-005	157114
NOSE STRUT	Cirrus	11907-005	4427
OIL COOLER	Drake Air	p/n 646880	B09-7670-19
TACH GENERATOR	Dukes Inc. 5217-00-3 Rochester	12630-001 5217-00-3	3840
MECHANICAL FUEL PUMP	Kelly	p/n 649368-74A4	B12KA163R
ELECTRIC FUEL PUMP	Dukes Inc 5217-00-3	5217-00-3	3840
STROBE POWER PACK LT.	Whelen	m/n 7088800 p/n 01-0770888-00	01310



ITEM	MAKE	MODEL	SERIAL#
STROBE POWER PACK RT.	Whelen	m/n 7088800 p/n 01-0770888-00	01024
CAPS PARACHUTE	BR\$ inc.	BRS p/n 10012/B CDC p/n 20332-001/D	04026
CAPS REEFING CUTTER	BR\$ inc	26707-001	3955 and 3943
EMA CONTROLLER		508358-421	RATUL-14-63
PILOT SEAT INFLATOR	AAIR	p/n 20902-002	20155
COPILOT SEAT INFLATOR	AAIR	p/n 20902-002	20354
MFD	Avidyne	700-00004-008	20002357
PFD	Avidyne	700-00006-000	2005257 20395305 mm
NAV/COMM 1	Garmin	m/n GN\$-430W p/n 011-01060-00	23402874
NAV/COMM 2	Garmin	m/n GN\$430W p/n 011-01060-00	23402023
ELT	ACK E-01	E-01	056832



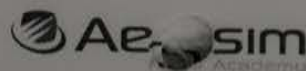
INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 29618

N 610DA

INSP: ANNUAL

ITEM	DISCREPANCY	MECH.	FLIGHT HOBBS:	CORRECTIVE ACTION	ATA	TTAF: 6171.8
2	CHECK FOR CURRENT AD INDEX	Ch		Checked AD index	3	
3	EQUIPMENT LIST DUE	Ch		Completed the equipment list.	3	
4	CHECK AILERON TRAVEL AND CABLE TENSIONS	Ch		Aileron travel and tension within limits	2	
5	CHECK FLAP TRAVEL AND ADJUSTMENT	Ch		Flap travel within limits	2	
6	CHECK ELEVATOR TRAVEL AND CABLE TENSIONS	Ch		Elevator travel and tension within limits	2	
7	CHECK RUDDER TRAVEL AND CABLE TENSIONS	Ch		Rudder travel and tension within limits	2	
8	CHECK FAR 91.213 PLACARDED ITEMS LIST. INSPECT AND/OR REPAIR AS REQUIRED.	Ch		Nothing placarded at this time	3	



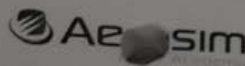
INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 29618

N 610DA

INSP: ANNUAL

ITEM	DISCREPANCY	MECH.	FLIGHT HOBBS:	CORRECTIVE ACTION	ATA	Signature, Certificate Type and Number and Date
9	FAR 91.207 (D) ELT INSPECTION DUE	ly		Inspected ELT ok PPS	2	
10	AIRCRAFT CABIN OPENED FOR INSPECTION	ly		Closed cabin after inspection	0501	
11	AIRCRAFT EXTERIOR PANELS OPENED FOR INSPECTION	ly		Inspected and checked panels being installed PCW	0501	
12	AIRCRAFT BELLY INTERIOR SURFACE, FROM FIREWALL TO TAIL, REQUIRES CLEANING	ly		Cleaned the aircraft belly	0801	
13	AIRCRAFT INTERIOR SURFACES REQUIRE TREATMENT WITH "CORROSION X"	ly		Serviced the flight controls with Corrosion X	3010	
14	ENGINE REQUIRES CLEANING FOR INSPECTION	ly		Cleaned the engine with mineral spirits.	70	
15	ENGINE REQUIRES SERVICING WITH OIL	ly		Engine has been service with oil.	7900	

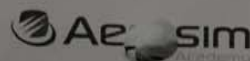


INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 29618

N 610DA

INSP: ANNUAL		FLIGHT HOBBS:		TTAF: 6171.8	
ITEM	DISCREPANCY	MECH	CORRECTIVE ACTION	DATE	SIGNATURE
16	ENGINE CONTROLS REQUIRE LUBRICATION PER MAINTENANCE INSTRUCTIONS	✓	Engine controls have been lubed.	7/6/00	[Redacted]
17	ENGINE REQUIRES POST RUN PER FAR 43.15 (C) (2) (AS APPLICABLE) AND LEAK CHECK	✓	Clw engine post run and leak check no defects noted	05/01	[Redacted]
18	ENGINE COWLING REMOVED FOR INSPECTION	✓	Installed engine cowlings	05/01	[Redacted]
19	LANDING GEAR REQUIRES LUBRICATION PER MAINTENANCE INSTRUCTIONS	✓	N/A in SR-20	3/20/00	[Redacted]
20	NOSE LANDING GEAR WHEEL BEARINGS REQUIRE RE-PACKING	✓	Repacked the nose wheel bearings with grease.	3/20/00	[Redacted]
21	LEFT MAIN LANDING GEAR WHEEL BEARINGS REQUIRE RE-PACKING	✓	Repacked LMLG wheel bearing	3/22/00	[Redacted]
22	RIGHT MAIN LANDING GEAR WHEEL BEARINGS REQUIRE RE-PACKING	✓	Repacked RMLG wheel bearing	3/22/00	[Redacted]



INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 29618

N 610DA

INSP: ANNUAL		FLIGHT HOBBS:		TTAF: 6/7/8	
ITEM	DISCREPANCY	MECH.	CORRECTIVE ACTION	ATA	Signature, Certificate Type and Number and Date
23	CHECK FLIGHT REQUIRED FOR CONTROL CABLE RIGGING ADJUSTMENTS	/	Transferred to flight can w/o 30139 Line 5	000	[Redacted]
24	LH mag due changed	/	R/R LH Mag P/N ON/OFF 10-500556-3 S/N 000 DO9FA10 OFF DI2KA005R, needs ops check	740	[Redacted]
25	Fuel nozzles need cleaned	/	Cleaned fuel nozzles and reinserted	73	[Redacted]
26	Air filter needs replaced	/	Air Filter has been Replaced with serviceable Filter.	7505	[Redacted]
27	Dip stick grommet pushed through baffle	/	Serviceable grommet has been Installed at dip stick.	7900	[Redacted]
28	even cyl Baffle forward edge split	/	Repaired the baffle near the collar and by cut off the split. - End -	7510	[Redacted]
29	forward baffle pilot side torn	/	Drilled stop holes at the end of cracks - End -	7510	[Redacted]



INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

INSP: 100HR ANNUAL EV1 EV2 EV3 EV4

WO# 29618

N# N610DA

ITEM	DISCREPANCY	MECH.	TTAF METER:	TTAF: 6171.8	ATA	Signature, Certificate Type and Number and Date
30	odd cyl baffle cracked through patch	OK	Repaired odd cylinder baffle and reinstalled baffle	7 5 6	7/5/10	
31	forward baffle copilot side behind Alt 1 split	OK	Drilled one stop hole at the end of the crack. - End	7 5 6	7/5/10	
32	Alt 1 field wire has exposed wires showing at baffle	OK	Installed protective coating on Alt 1 field wire.	24	7/5/10	
33	baffle behind alt has small crack on bottom	OK	Drilled stop hole at the end of the crack. - End	7 5 6	7/5/10	
34	Mixture cable hardware loose and rod end may have play	OK	Resecured the mixture cable hardware and safetied. Rod end is in serviceable condition.	7 6 0	7/5/10	
35	prop control cable falling apart, worn, and whitens hole can pass safety wire	OK	Replaced cable in bracket and safety rod end so safety wire will not pass through	7 6 0	7/5/10	
36	spark plugs need cleaned gapped and tested	OK	Spark plugs have been cleaned, gapped and tested.	7 4 2 0	7/5/10	

STATUS
610DA
25 SE
07



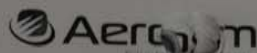
INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

INSP: 100HR ANNUAL EV1 EV2 EV3 EV4

WO# 29618

N# 11610DA

ITEM	DISCREPANCY	MECH.	TTAF METER:	TTAF: 6171.8	ATA	Signature, Certificate Type and Number and Date
37	9 spark plugs failed erion gauge		9 spark plugs have been removed and replaced with serviceable spark plug.	7 4 2 0		
38	Spark plugs need reinstalled		Installed spark plugs and boots	7 8 0		
39	Elevator trim motor has play		Retorqued the attach screws for the trim pitch motor. Motor is secure.	27		
40	RH inboard Flap bracket Needs replaced due to excessive corrosion		Removed bad flap bracket. Got new one. Drilled holes, ready for installation. See item #68 - end -	2 7		
41	RH Mid Flap bracket has corrosion on lower attach point		Corrosion on RH mid flap bracket has been removed, cleaned, primed + painted - end -	3 0 1 0		
42	RH Aft Fitting on inboard side has corrosion		Removed aft fitting, cleaned and inspected. Found air worth. Flashed and ground and painted and painted. Reinstalled and checked again.	3 2 8		
43	LH Aft Fitting in board has corrosion		Removed and replaced left side fitting. - End -	3 2 0		



INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

INSP: 100HR ANNUAL EV1 EV2 EV3 EV4		WO# 29618		N# 610DA	
ITEM	DISCREPANCY	MECH.	TTAF METER:	TTAF: 6171.8	ATA
			CORRECTIVE ACTION		
44	LH wing walk worn		Left Wing walk has been replaced		
45	RH wing walk worn		Right Wing walk has been replaced		
46	LH yellow sticker black		R/R yellow sticker LH side		
47	Copilot Air Vent inop		Resealed the copilot's air vent		
48	Copilot trim placard torn		Installed new trim placard copilot's side		
49	Pilot grab placard missing		Installed new pilot's side grab placard		
50	GPS 2 Antenna separating due to extreme corrosion POO. AOG (p/n CI 428-200)		Replaced GPS2 antenna with approved GPS 2 antenna, gps check good - ENVD		

INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

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INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 29618

N# N610DA

INSP: 100HR ANNUAL EV1 EV2 EV3 EV4				TTAF METER:	TTAF: 6171.8	WO# 27618		N# N6100A	
ITEM	DISCREPANCY	MECH.	CORRECTIVE ACTION	ATA	Signature, Certificate Type and Number and Date				
51	Aileron bearing on LH inboard worn beyond limits	✓	Removed and replaced LH IB Aileron bearing with new	5					
52	Rt rear passenger Air vent inop	✓	Resecured the rt rear passenger air vent	2303					
53	RH heat shield coming off	✓	Resecured the rt Exhaust to foreloge heatshield	7400					
54	Aft nose gear bolts have play	✓	R/R hardware that was worn, secured nose gear strut to lower engine mount IAW Cirrus AMM 32-20 no defects	3200					
55	RH yellow sticker black	✓	R/R RH yellow sticker	3200					
56	prop has chunk missing on leading edge	✓	inspected found to be repairable IAW Harz manual, blended with IAW Harz manual	6100					
57	prop tips have damage prop look ground down	✓	inspected found to be repairable IAW Harz manual blended blade IAW Harz manual	6100					

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INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD



INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 29618

N# N610DA

INSP: 100HR ANNUAL EV1 EV2 EV3 EV4				TTAF METER:		TTAF:		Signature, Certificate Type and Number and Date	
ITEM	DISCREPANCY	MECH:	CORRECTIVE ACTION		ATA				
58	Aluminum found in oil filter	Ch	Will reinspect filter in 10 HRS at 6281.8		7				
59	Screws missing near baffle odd side and seat tube disconnected	Ch	Replaced missing screws. Reconnected seat hose		7				
60	Baffle for oil cooler missing bolt and screws	Ch	Installed missing bolt and screws		7				
61	Baffle between #2 cyl and cooler Broken	Ch	Repaired broken area between #2 cyl and oil cooler. - End		7				
62	RH wing tip has bonds missing under side	Ch	Repaired RH wingtip in line 65. Applied finish glaze and finished surface. Primed and painted area		00				
63	ELT needs installed	Ch	Installed ELT		00				
64	STD 97-3 F needs CW	Ch	CW STD 97-3 F check good		0				

INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

October 25, 2011 (Rev. 1)

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INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 29618

N# N610DA

INSP: 100HR ANNUAL EV1 EV2 EV3 EV4				TTAF METER:		TTAF: 6171.8	
ITEM	DISCREPANCY	MECH.	CORRECTIVE ACTION	ATA	Signature, Certificate Type and Number and Date		
65	During line 62, found RH wingtip cracked at Fwd bottom side	SNK	Fiberglass repaired RH wingtip Fwd bottom side	51			
66	LH Mag ops / leak check required	C.S.	Ops check and leak checked left mag no defects noted	55			
67	Left axle fitting & wheel removed to Fom, needs to be reinstalled after Item 43	C.S.	Replaced left axle fitting and reinstalled wheel. - End -	3200			
68	Rt inboard flap track bracket needs reinstalled. Cables need to be reattached. Cables need to be have tension checked.	AG	Reinstalled Rt Inboard Flap track bracket, Reattached cables, tensioned cables to 30#.	57			
69	Left aileron need to be reinstalled.	SN	Reinstalled left aileron, and torqued, and safety wire. - End -	57			
70	Left wing tip need installed	SN	Reinstalled wing tip. - End -	57			
71	Rt Inboard Flap Bracket missing. Rubber Seal on inside of Inboard Flap Bracket. P/N 51572-	AG	Rt Inboard flap bracket rubber pad found. Installed rubber pad and all attaching hardware. - end -	27			

October 25, 2011
See Parts Dept.

INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

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INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO#

29618

N# N 610 DA

INSP: 100HR ANNUAL EV1 EV2 EV3 EV4

TTAF METER:

TTAF:

6171.8

[illegible]

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JUR

VO#

Date:	Location: SFB	Elevation: 55'	OAT:	Field "Hg:
Aircraft Make & Model: Cirrus SR-20		Aircraft Registration #:		
Engine Model: IO360ES		Engine Position: Front		
Engine Serial Number:		Engine Total Time - New - Overhaul		

Fuel System Adjustment - Record engine specifications and actual gauge indications.

R.P.M.		M.A.P.		Fuel Pressure				Fuel Flow		EGT	Cylinder Head Temp. - F						Oil		Adjustment	
Spec	Actual	Spec	Actual	Unmetered Spec	Unmetered Actual	Metered Spec	Metered Actual	Spec	Actual	°F	1	2	3	4	5	6	PSI	°F	CW	CCW
600	600		18.7	7.0-9.0	8			1.2		550	290	262	302	266	267	20	19	170		
2700	2640		29.8	21.0-24.0				16.4-17.4	16.6	1300	360	354	364	368	388	382	44	194		
								16.6												

Flight Test Data - Record gauge indications

R.P.M.		M.A.P.		Pressure Altitude - (Set altimeter to 29.92" Hg)	Fuel Flow		EGT °F		CHT °F		Oil PSI		Oil Temp. °F		I.A.S. knots
Spec	Actual	Spec	Actual		Spec	Actual	Spec	Actual	Spec	Actual	Spec	Actual	Spec	Actual	
				1,000											
				2,000											
				3,000											
				4,000											
				5,000											
				6,000											
				8,000											
				10,000											

Idle mixture rise RPM: +30

L/H Drop: 60 R/H Drop: 50

Signature:

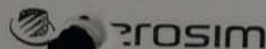
430F-43



INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD WO# 29818

N 610DA

INSP: 100 HOUR		FLIGHT HOBBS:		TTAF: 6096.3	
ITEM	DISCREPANCY	MECH	CORRECTIVE ACTION	ATA	Signature, Complete Type and Number and Date
4	#6 cyl need compression check after post run (low 40/80)	ON	Following post-run, cyl #6 compression 50/80 w/ master orifice 44% - End	70	[Redacted]
5	Bottom Fuselage Heat Shielding By Exhaust pipe on Rt Side is De-Bonding	ML	Re sealed up heat shielding on the right side - End	5300	[Redacted]
6	RMLG Yellow Brake over temp sticker is Brake.	ML	R+R RMLG yellow brake over temp sticker - End	3200	[Redacted]
7	crack in paint on Bottom of Rt Wing Behind out Board Stall Strip - marked with tape	ML	upon further inspection, determined to be cosmetic in nature - cracks in paint - End	57	[Redacted]
8	#1 cyl exhaust rivet bolt lost at weldment	ML	#1 cyl exhaust pipe R+R w/ senseable exhaust pipe - End	7800	[Redacted]
9	Air filter need replaced	ON	R+R air filter - End	70	[Redacted]
10	LMLG upper wheel Paint Cracked cracked on lower front Bolt Hole	ML	RR upper wheel faring bracket LMLG - End	3200	[Redacted]

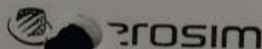


INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 29818

N# 61024

INSP: 100HR ANNUAL EV1 EV2 EV3 EV4		TTAF METER:		TTAF: 6096-3	
ITEM	DISCREPANCY	MECH.	CORRECTIVE ACTION	ATA	Signature, Certificate Type # & Expiration Date
11	LMLG Yellow Brake over temp sticker is Black.	ML	R+R LMLG yellow brake over temp sticker.	3 2 0 0	
12	Possible cracks on Nose gear strut by weld that is under push away, marked with tape.	ML	Doubled checked, no cracked found - End -	3 2 0 0	
13	Prop spinner nut reinstalled	SN	Reinstalled prop spinner - End -	6 1	
14	Post run - leaks check	SN	Post-run ~ leak checked. No defects noted - End -	7 0	
15	Fuel set up and done	SN	Performed fuel setup per TCN SID 97-3 latest rev. No adjustments required - End -	2 8	
16	Emp Cowling and reinstalled	SN	Installed cowling - End -	7 0	
17	Left wing tip needs to be reinstalled	ML	Reinstalled left wing tip. - End -	5 0	

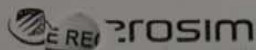


INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 29818

N# 6108A

ITEM	DISCREPANCY	MECH.	TTAF METER:	TTAF:	ATA	Signature, Certificate Type and Number, etc.
18	Right wing tip needs to be reinstalled	ML		6096.3	57	
19	Right wing panels opened for inspection	ML			57	
20	Left wing panels open for inspection	ML			57	
21	Right MLG fairings and wheel pants need to be installed	ML			32	
22	Left MLG fairings and wheel pants need to be reinstalled	ML			32	
23	Nose gear fairing needs to be installed after Item # 12	ML			32	
24	Interior panels opened for inspection	ML			32	



INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 29818

NH 61051

INSP: 100HR ANNUAL EV1 EV2 EV3 EV4				TTAF METER:	TTAF: 6096.3	ATA	Signature, Certificate Type and Number
ITEM	DISCREPANCY	MECH.	CORRECTIVE ACTION				
25	Seats need to be ^{ML} re-installed - End -	ML	Installed Seats, check seat inflator system with seat tester tool, found battery found to be dead see line #33			2 5 4	
26	Fuselage/empennage panels need to be reinstalled	ML	Installed fuselage/empennage panels			0 5 0 1	
27	3 Bad spark plugs	IN	Replaced 3 bad plugs			7 0	
28	Ground wire on A1 wing tip needs to be move to bottom of nut plate	ML	moved ground wire to bottom of nut plate on right wing tip			2 4	
29	Rosen Survivor ICA needs to be performed	MT	complied with Rosen Survivor ICA			0 5 0 1	
30	Left Aileron needs to be reinstalled.	ML	Reinstalled left aileron. - End -			2 7	
31	Spark plugs need reinstalled (old spark plugs # 6, 2, 3 cyl and around)	ON	Installed all plugs and leads, 6, 2, 3 cyl plugs disconnected - end -				

INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD



INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

WO# 29818

N# 610DA

INSP	100HR	ANNUAL	EV1	EV2	EV3	EV4	TTAF METER:	TTAF:	ATA	Signature, Certificate Type and Number and Date
ITEM	DISCREPANCY						MECH	CORRECTIVE ACTION		
32	ML Left wing tip point chipped on Bottom Right wing tip.						ML	Point of Right wing tip to match	57	
33	Battery for EMA controller & Reord.						ML	Repl ^{ML} Remove EMA controller P/N 508358-431 S/N RA17SEP13-4 and Replace with P/N 508358-421 S/N RA18JUL 14-63 Re performed Seat Inflation test all green light Due Date 07-21-15	3200	
34	all tire pressures need to be checked all look low						ML	checked all tire pressures for IWW MM (40 front, 54.2 main)	70	
35	Mixture cable rod end bolt Loose						DL	tightened mixture cable Rod end bolt & safetied - End-		
										ASP
										DATE
										ASP
										DATE
										ASP
										DATE

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INSPECTION DISCREPANCY LIST AND MAINTENANCE RECORD

October 28, 2011 (Rev. 1)

Date: 4-19-15	Location: SFB	Elevation: 55'	OAT: 74°F	Field Hg: 29.96
Aircraft Make & Model: Cirrus SR-20		Aircraft Registration #: 610DA		
Engine Model: IO360ES		Engine Position: Front		
Engine Serial Number:		Engine Total Time - New - Overhaul		

[illegible]