

13

[illegible]

Time in Service: 1.5[illegible]

Approved
by

Time in Service: 1.5

DAR

Approved
by

Description of Inspections, Tests and Alterations

21

YEAR:
DATETOTAL
TIME IN
SERVICE

WO No.

Records

Approved
by

04-17-2008

1.5

BI-ANNUAL CERTIFICATION

I certify that the Static System tests required by §23.1325 (b)(2)(i) and Altitude Reporting & Transponder tests required by § 91.413, have been performed to 15,000 ft and found to comply with § 43, Appendix F.

Altimeter: Model -----N/A----- S/N -----N/A-----

Transponder: Model GARMIN GTX 327 S/N 83731028Encoder: Model DYNON D-100 S/N 002947

Certified By:



Collinsville, OK

TACH 1.5

A&P

Jim Roddy

Date

04-17-2008

[illegible]

[illegible]

24

Description of Inspections, Tests and Alterations

YEAR:
DATETOTAL
TIME IN
SERVICE

WO No.

Records

Approved
by

DENTON AVIATION CONSULTING, INC.

CRS# Q6DR312Y

CERTIFIES THAT TRANSPONDER

MOD# 018321 S/N 83751028HAS BEEN TESTED PER FAR 91.413 &
FAR 43 APP. F

WO 102201

Hobbs 110

10/22/11

AIRCRAFT Flight Design CTLS N81KK S/N 07.12.03 Date 10/24/2011.

Dynon Hobbs Time 110.0 Hobbs 111.0 ELT battery due 03/2016.

Transponder due 01/2013 BRS rocket no use after 12/2019. Parachute no use after 08/2013.

Open aircraft for annual conditional inspection. Checked tires & wheels, lubricate controls, pulleys & bell cranks as necessary. Inspected fuel strainers, propeller/spinner, engine compartment, fuel system, landing gear & airframe. Functional checked aircraft electrical system. Fuel filter inspection due 247.0

Dynon Hobbs time. Inspected ELT Per FAR 91.207. Torqued engine mounts. Aircraft run check OK.

I certify that this aircraft has been inspected on 10/24/2011 in accordance with the manufacturer's maintenance and inspection procedures, and was found to be in a condition for safe operation.

A&P [REDACTED] REX JOHNSON

Description of Inspections, Tests and Alterations				25
YEAR: DATE	TOTAL TIME IN SERVICE	WO No.	Records	Approved by
AIRCRAFT FLIGHT DESIGN CTLS N81KK S/N 07-12-03 Date 09/18/2012 Dynon Hobbs 164.0 Hobbs 164.00 ELT Battery due 03/2016. Transponder due 10/2013 BRS Rocket no use date 06/2020. Parachute no use date 08/2013 Open aircraft for annual conditional inspection. Checked tires and wheels, Lubricated controls, pulleys, and bell cranks as necessary. Inspected fuel strainers, propeller/spinner, engine compartment, fuel system, Landing gear & airframe. Functional checked aircraft electrical system Wings were not removed for inspection, next due 09/2013 or 764.0 Dynon hobbs time. Inspected ELT Per FAR 91.207. Inspected fuel filter, next due 364.0 Dynon hobbs time. Torqued engine mounts and horizontal stabulator. Aircraft run check OK. I certify that this aircraft has been inspected on 09/18/2012 in accordance with the manufacturer's maintenance and inspection procedures, and was found to be in a condition for safe operation.				
			A&P [REDACTED] REX JOHNSON	
FLIGHT DESIGN CTLS N81KK S/N 07-12-03 Date 09/18/2012 DYNON TIME 354.0 Hobbs 358.0. CW SB-ASTM-CTLS-03 30-Nov-2009 Rudder centering fork – control stop replacement N/A by S/N. CW SB-ASTM-CTLS-05 08-Oct-2010 Garmin SL30 and SL40. N/A by date of manufacture. CW SB-ASTM-CTLS-06 19-May-2011 Tow Bar Marking and Operation, N/A by serial number . SA-ASTM-CTLS-01_rev.02 15-Nov-2011 Checking of crankshaft journal, N/A by serial number.				
			A&P [REDACTED] REX JOHNSON	

26

Description of Inspections, Tests and Alterations

YEAR:
DATE

AIRCRAFT FLIGHT DESIGN CTLS N81KK S/N 07-12-03 Date 04/01/2013
Hobbs 186.00 TTAF 186.0. ELT Battery due 03/2016. Transponder due 10/2013
BRS Rocket no use date 06/2020. Parachute no use date 08/2013.

Open aircraft for annual conditional inspection. Checked tires & wheels, lubricate controls, pulleys & bell cranks as necessary. Inspected fuel strainers, propeller/spinner, engine compartment, fuel system, landing gear & airframe. Functional checked aircraft electrical system. Wings were removed to inspect attach points and replace fuel lines, next inspection due 1084.0 Hobbs time or 03/2015. Inspected fuel filter, next filter inspection due 386.0 Hobbs time. Replaced 8 new engine mount grommets & fuel gages were replaced IAW 5 year engine rubber parts replacement. Repaired fuel leak in right wing inspection plate. Inspected ELT Per FAR 91.207. Torqued engine mounts. SA-ASTM-CTLS-03 07-MAR-2013 Cylinder head inspection N/A by serial number. Aircraft run check OK. I certify that this aircraft has been inspected on 04/01/2013 in accordance with the manufacturer's maintenance and inspection procedures, and was found to be in a condition for safe operation.

A&P [REDACTED] EX JOHNSON

Description of Inspections, Tests and Alterations

27

Aircraft Flight Design CTLS N81KK S/N 07-01-03/081 LAMA 1550 date 2/23/2014
Hobbs 261.3 Dynon 260.2 TTAF 261.3 ELT battery due 06/2016 transponder due 10/2013

BRS rocket no use date 06/2020 parachute no use date 01/2019
 Performed condition inspection per CT maintenance and inspection procedures Manual see attached checklist

Repaired broken spring mount on muffler and replaced 1 exhaust spring, replaced battery with new Odyssey power sport battery, updated Dynon D100 and D120 with latest available software version 4.0 to 5.4. Returned parachute for overhaul by BRS aerospace, invoice #10204 (model# BRS-6 1350HS on 01/30/2014) Changed oil using 3 liters of Honda GN4 multi-grade, replaced filter with genuine Rotax 825-706 filter, replaced defective "O" rings on gas caps with new. Corrected problems with rudder trim by re-rigging cables and correcting problems with trim pulley alignment.

I certify that this aircraft has been inspected on 2/23/2014 in accordance with the manufacturer's maintenance and inspection procedures ,and was found to be in condition for safe operation.

AP# [REDACTED] Hildred Thomas Lee [REDACTED]

28	Airworthiness Directives, Safety Alerts, Service Bulletins Listing of Compliance and Method of Compliance			
YEAR: DATE	A.D.(S.A., S.B.) Number	TOTAL TIME IN SERVICE	Method of Compliance	Implemented by
<u>Aircraft flight design CTLS N81KK S/N 07*01-03/081</u> <u>Date 1/27/2015 Hobbs 318.8 Dynon 317.1 TTAF 317.1</u> <u>ELT battery due 6/20/2016 Transponder due 10/2013</u> Performed condition inspection per CT maintenance and inspection procedures manual (see attached checklist). Changed oil using 3 liters of Aeroshell sport, replaced oil filter with genuine Rotax 825- 706 filter. BRS rocket no use date 06/2020 parachute no use date 1/2019 Removed Trutrack auto-pilot and returned to manufacturer for overhaul and reinstalled. Flight tested aircraft and found no defects. I certify that this aircraft has been inspected on 1/27/2015 in accordance with the Manufacturer's maintenance and inspection procedures and was found to be in condition for safe operation. <u>A&P# [REDACTED] Hildred Thomas Lee</u> <u>[REDACTED] 1/27/2015</u>				

Listing of Compliance and Method of Compliance

29

YEAR:
DATE

A.D.(S.A., S.B.)
Number

**TOTAL
TIME IN
SERVICE**

Method of Compliance

**Implemented
by**

Aircraft flight design CTLS N81KK S/N 07*01-03/081
Date 1/27/2016 Hobbs 372.1 Dynon 371.1 TTAf 371.1
ELT battery due 1/31/2017

ELT battery due 1/31/2017
Performed condition inspection per CT maintenance and inspection procedures manual
(see attached checklist). Replaced oil filter with genuine Rotax 825

(see attached checklist).
Changed oil using 3 liters of Aeroshell sport, replaced oil filter with genuine Rotax 825-706 filter.

BRS rocket no use date 06/2020 parachute no use date 1/2019
: follows #1 87/86 #2 87/85 #3

Checked engine compression as follows #1 87/86 #2 87/85 #3 87/87 #4 87/86

Checked engine compression as follows #1 87/80 #2 87/85 #3 87/87 #4 87/80
I certify that this aircraft has been inspected on 1/27/2016 in accordance with the
Manufacturer's maintenance and inspection procedures and was found to be in condition
for safe operation. [REDACTED]

A&P# [REDACTED] **Childred Thomas Lee**

30

Airworthiness Directives, Safety Alerts, Service Bulletins
Listing of Compliance and Method of Compliance**YEAR:
DATE****A.D.(S.A., S.B.)
Number****TOTAL
TIME IN
SERVICE****Method of Compliance****Implemented
by****Condition inspection**

Aircraft Flight Design CTLS N81kk S/N 07-01-03/081
Date 2/06/2017 Hobbs 417.8 Dynon 414.9 TTAF 414.9
ELT battery due 2/28/2018

Performed condition inspection per CT maintenance and
inspections manual (see attached check list)

Changed oil using 3 Liters of Aero-shell Sport, replaced oil
filter with Tempest part #AA825706 filter

BRS rocket no use date 06/2020 Parachute no use date 1/2019

Checked engine compression as follows: #1 87/87, #2 87/87,
#3 87/86, #4 87/87.

A&P#Eldred Thomas Lee

4/7/2017

31

**Implemented
by**

YEAR:
DATE

A.D.(S.A., S.B.)
Number

**TOTAL
TIME IN
SERVICE**

Method of Compliance

Parachute repack due 02/2020 Rocket do not use after 02/2019.

Open aircraft for annual conditional inspection. Checked tires & wheels, lubricate controls, pulleys & bell cranks as necessary. Inspected fuel strainers, propeller/spinner, engine compartment, fuel system, landing gear & airframe. Functional checked aircraft electrical system. Wings were removed for attach point inspection and replace fuel hose. Installed 16 new engine mount grommets P/N C9997739.

Replaced all fuel, water and oil hose in aircraft IAW 5 year engine rubber parts replacement. Check Fuel flow. Inspected ELT Per FAR 91.207. Aircraft run check OK. I certify that this aircraft has been inspected on 03/07/2018 in accordance with the manufacturer's maintenance and inspection procedures, and was found to be in a condition for safe operation.

A&F [REDACTED] EX JOHNSON

Airworthiness Directives, Safety Alerts, Service Bulletins

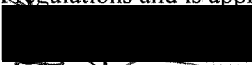
Listing of Compliance and Method of Compliance

YEAR: DATE	A.D.(S.A., S.B.) Number	TOTAL TIME IN SERVICE	Method of Compliance	Implemented by
3/22/18		445.3	I certify that the transponder test required by FAR 91:413 has been performed this date and found to comply. Transponder <u>GTX 327</u> Make & Model _____ S/N: <u>83731028</u> Date: <u>3/22/18</u> Signature: _____ Certified Repair Station # _____ Tomilson Avionics, Inc. _____ Pine Bluff, Arkansas 71601 _____ Approved Repair Order No. _____	

Airworthiness Directives, Safety Alerts, Service Bulletins

Listing of Compliance and Method of Compliance

33

YEAR: DATE	A.D.(S.A., S.B.) Number	TOTAL TIME IN SERVICE	Method of Compliance	Implemented by
SOUTHEAST AERO SERVICES, INC.				
St. Augustine, Florida 32095				
FAA Cert. Repair Station UV4R584M				
Flight Design CTLS S#07-12-03 18APRIL2018 TT:455.8 WO#15862				
Removed the Garmin GTX327 Transponder S#83731028. Installed the				
Appareo Stratus ESG ADS-B Transponder S#075144-075167 with reference				
to the Stratus ESG ADS-B installation manual. This equipment complies				
with 14 CFR Part 91.215 and 91.225, and meets the performance requirements				
of 14 CFR Part 91.227. Transponder test results were satisfactory with				
reference to FAR Part 43, Appendix F. Change to weight and balance is				
negligible. The equipment list was updated to reflect this installation.				
I certify that the aircraft or appliance identified above was repaired and inspected in				
Accordance with current FAA regulations and is approved for return to service.				
				
Windell B. Tyler				

Notes

35



WO# 18-457

N81KK SN: 07-12-03 11/28/2018 TSN 551.9 ATT 551.9

Complied with 100 hour / Annual Condition Inspection, FAR 91.207(d) new batteries installed and expire 07/2021. Removed and installed new LH inboard brake lining. Updated Dynon Avionics firmware to version 5.6.1 Leak and operational check good at this time.

I certify this aircraft has been inspected for a 100 hour / Annual Condition Inspection in accordance with the manufacturer's maintenance and inspection procedures and found to be in a condition for safe operation. END.

Certified by & Number
AP [redacted] Justin Perry

Advice for Aircraft Log book entries

- 1) The aircraft owner is responsible for the complete and correct keeping of the Log book. All entries must be made permanent in ink, ballpoint or similar. Cross out any incorrect entry such, that it is still legible. Empty columns and lines must be crossed out. Removal of pages is prohibited. After taking the aircraft permanently out of service the log book must be kept as a document.
- 2) Page 1 is reserved exclusively for entries from Flight Design and representatives of civil aviation authorities. (Page 1 information at the top comes from Flight Design for serial number airframe, propeller and engine etc.) It may be signed at the bottom by civil aviation authority personnel to grant airworthiness.
- 3) On the pages of **Owner & Warranty Registration**: Registration is mandatory for warranty issues and safety updates; Registration has to be sent to Flight Design Germany latest 2 weeks after registration or re-registration of the airplane; Registration is only valid if customer receives a confirmation of the registration.
- 4) On the pages of **Additional Equipment, Removal or Exchange**, the type of aircraft and operational period must be stated: The entries must be confirmed if required by civil aviation authorities, a licensed aircraft mechanic or approved Flight Design Service Centers.
- 5) In the list of **Airworthiness Directives** all effective Airworthiness Directives and modifications (Technical bulletins, Safety Directives and Safety Alerts) must to be entered and confirmed by a licensed aircraft mechanic or an approved Flight Design Service Center.
- 6) In the list of **Description of Inspections, Tests and Alterations** all maintenance, repair and replacement work (periodical checks, repair work, changes, overhauls, partial overhauls and exchange of parts) must be entered and confirmed by the performing aircraft mechanic or Flight Design Service Center. The official verification by a representative of a civil aviation authority may be registered here too.
- 7) On the list of **Additional Equipment, Removal or Exchange**, the exchange of aircraft equipment (starter, flywheel, carburetor, Avionics) must be registered by a licensed aircraft mechanic or an approved Flight Design Service Center.
- 8) On the pages of **Notes** any note of no significance for sections 2 to 6, can be entered.