



FLIGHT DESIGN

Aircraft Log Book

Aircraft model: CTLS

Serial No.: F-16-01-51

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QZ 0100 0005, Rev. 5 Edition 12 August 2015

Rocky Mountain

AIRCRAFT SERVICES

Date: 3/21/2022; Aircraft: N924RD; S/N: F-16-01-51; Hobbs: 421.4; Total Time: 421.4; Engine - Type: Rotax 912ULS2, S/N: 6.784.081, Time: 421.4; Prop - Type: Newform CR3-65-47-101.6, S/N: 1159, Time: 421.4
Performed Annual Condition Inspection this date using Flight Design CTLS maintenance manual and checklist as guide. Also performed service and lubrication. Removed cowlings, access plates, panels and components as necessary for inspection. Functional check of aircraft systems and electrical was performed. Cleaned fuel screens. Performed exhaust pressure leak check, no leaks noted. Complied with FAR 91.207(d) ELT inspection and function test, see report. ELT battery due 3-2024. Removed BRS chute and sent off for repack and certification. Work done by BRS Aerospace, PO # RA1150 p/n 10R014
s/n. 22719. Reinstalled new fairing tape at MLG leg fairings. Performed Bi-Annual wing and attach inspection using manufacturer's maintenance manual as guide, which included draining of fuel, removal of wings, inspection, no discrepancies noted, reinstalled wings, refueled and performed leak check, no leaks noted. Next due 3-2024. ADs checked through Bi-Weekly 2022-05.

Reinstalled all removed cowlings, panels, access plates and components.
Performed run up, systems checks, ops check and leak check.

"I certify that this Aircraft had been inspected I.A.W. the manufacturer's maintenance and inspection procedures and was determined to be in a safe condition for operation."

Signed: [Signature] AP4515212 Date: 3/21/22

Date: 1/25/2023; Aircraft: N924RD; Type: LIGHT SPORT; S/N: F-16-01-51; Hobbs: 475.0; Total Time: 475.0; LG Cycles:
This aircrafts Transponder has been tested and inspected IAW FAR 43 Appendix F to comply with FAR 91.413.
ShopOrder: 13719

Signed: [Signature] Date: 1/25/2023 for:

Rocky Mountain Aircraft Services
F.A.A. Certified Repair Station #7RKR476D
Glacier Park International Airport
Kalispell, Montana, 59901

Approval

Date: 3/29/2023 Aircraft: N924RD Type: LIGHT SPORT S/N: F-16-01-51 Hobbs: 475.0 Total Time: 475.0 LG Cycles:
Opened aircraft for annual condition inspection. Performed inspection in reference with Section C 20/01 of Flight Design CTLS-LSA AMM. Checked tires and wheels. Lubricated controls, pulleys, bellcranks as necessary. Inspected fuel strainers, prop/spinner, engine compartment, fuel system, landing gear and airframe. Inspected fuel filter. Inspected and functional checked elc per FAR 91.207. Okay for service. Battery replacement due 4 March 2024. ADs checked through bi-weekly 2023-06. AD compliance report in aircraft records. Completed composite repair to main gear to fuselage area IAW Flight Design Service Instruction SI-ASTM-CTLS-07. Aircraft run check okay. This aircraft has been inspected on on this date with reference to Flight Design Amm doc AF04800015.01. This aircraft found to be in a condition for safe operation. Pertinent details on file at this facility under SO 13719.

Signed: Tom Rieplert A+P 3346060 Date: 3/29/2023

Rocky Mountain Aircraft Services
Glacier Park International Airport
Kalispell, MT 59901

33

Approval

30

Date

Total time
since new
(airframe)

Records

Appr

Date: 1/13/2021; Aircraft: N924RD; Type: LIGHT SPORT; S/N: F-16-01-51; Hobbs: 372.8; Tach: 372.8; Total Time: 372.8
 Engine - Type: Rotax 912ULS; S/N: 6.784.081; Time: 372.8
 Open aircraft for annual conditional inspection. Brs rocket do not use after June 2027. Parachute no use after June 2021. Checked tires and wheels, lubricated controls, pulleys, bellcranks as necessary. Inspected fuel strainers, prop/spinner, engine compartment, fuel system, landing gear and airframe. Functional checked aircraft electrical system. Wings were not removed to inspect attach points. Inspected fuel filter. Inspected and functional checked all per FAR 91.207. Okay for service. Battery replacement due 4 March 2024. AD's checked through bi-weekly 2020-26. AD compliance report in aircraft records. Changed tube in left mlg tire. Adjusted rudder trim indicator. Installed proper bolts and gromets into nlg fairing. Aircraft run check okay. "I certify this aircraft has been inspected on 13 Jan 2021 with reference to Flight Design Amm doc AF04800015_01. This aircraft found to be in a condition for safe operation. Pertinent details on file at this facility under SO-12450."

Signed: StenerheseckDate: 13 JAN 2021

Rocky Mountain Aircraft Services
 F.A.A. Certified Repair Station #7RKR476D
 Glacier Park International Airport
 Kalispell, MT 59901

EIE AIP# 3813796

Date: 1/15/2021; Aircraft: N924RD; Type: LIGHT SPORT; S/N: F-16-01-51; Hobbs: 372.8; Tach: 372.8
 This aircrafts Transponder has been tested and inspected IAW FAR 43 Appendix F to comply with FAR 91.413.
 ShopOrder: 12450
 Signed: Stenerheseck Date: 1-15-2021 for:

Rocky Mountain Aircraft Services
 F.A.A. Certified Repair Station #7RKR476D
 Glacier Park International Airport
 Kalispell, Montana, 59901

31

Approval

Total time
since new
(airframe)

Date: 1/22/2021; Aircraft: N924RD; Type: LIGHT SPORT; S/N: F-16-01-51; Hobbs: 372.8; Tach: 372.8
 Changed flap position potentiometer, calibrated to control card, flaps operational check okay now. Work performed referencing Flight Design Flap Control Setting document and Schicke Controller FD-WkController V1.5 Operation Manual. No further defects at this time.

Details of the work performed are on file at this repair station under SO-12450

Signed: Stenerheseck Date: 22 JAN 2021

Rocky Mountain Aircraft Services
 F.A.A. Certified Repair Station #7RKR476D EIE AIP# 3813796
 Glacier Park International Airport
 Kalispell, Montana, 59901

28

Date



1940 Airport Court
Great Falls, MT 59404

Ph 406-453-7613
Fx 406-453-7204

sil
(a)

Tail Number: N924RD Hobbs/Tach: 285.0 Total time: 285.0
A/C Make: flight design A/C Model: F-16-01-51 Work Order: N/A

This aircraft has been inspected and found safe for ferry flight to Calispeli montana for annual inspection.

approval

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:

CRS# HOQR040K

Date: 20-Feb-2020

Records of Maintenance, Inspection and Test

29

Date

Total time
since new
(airframe)

Records

Approval



13 MARCH 2020, N924RD S/N: F-16-01-51, TACH: 333.5, TAT: 333.5.
ENGINE: ROTAX 912ULS2, S/N: 6.784.081, TSN: 333.5, TSO: 333.5
PROPELLER: NEWFORM CR3-65-47-101.6 S/N: 1132, TSN: 333.5, TSO: 333.5

OPEN AIRCRAFT FOR ANNUAL CONDITIONAL INSPECTION. BRS ROCKET DO NOT USE AFTER JUNE 2027. PARACHUTE NO USE AFTER JUNE 2021. CHECKED TIRES AND WHEELS, LUBRICATED CONTROLS, PULLEYS, BELLCRANKS AS NECESSARY. INSPECTED FUEL STRAINERS, PROPELLER/SPINNER, ENGINE COMPARTMENT, FUEL SYSTEM, LANDING GEAR AND AIRFRAME. FUNCTIONAL CHECKED AIRCRAFT ELECTRICAL SYSTEM. WINGS WERE NOT REMOVED TO INSPECT ATTATCH POINTS. INSPECTED FUEL FILTER. INSPECTED AND FUNTIONAL CHECKED ELT PER FAR 91.207. OKAY FOR SERVICE. BATTERY REPLACEMENT DUE 4 MARCH 2024. AD'S CHECKED THROUGH BIWEEKLY 2020-05. AD COMPLIANCE REPORT IN AIRCRAFT RECORDS. AIRCRAFT RUN CHECK OKAY. "I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED ON 13 MARCH 2020 IAW MANUFACTURER'S MAINTENANCE AND INSPECTION PROCEDURES, AND WAS FOUND TO BE IN A CONDTION FOR SAFE OPERATION. PERTINENT DETAILS ON FILE AT THIS FACILITY UNDER SO-11844."

ROCKY MOUNTAIN AIRCRAFT SERVICES,

STEVEN KRESEK

Signed

Steven Kressek

A&P# 3813796

Date

13
16 March 2020
STE SK.

Date Total time
since new
airframe

Records

Approved

Elite Aircraft Service

N924RD

August 18, 2017

Hour Meter: 168.5 Hrs.

*Pilot reported, flap system indicated intermittent error message and lockout, visually inspected flap system and ops checked, all checks normal at this time.

*Replaced MLG tires and tubes with new Aero Classic 4.00 X 6, 6 ply, P/N: DTR 1280 and tubes P/N: GL-4087. Cleaned, inspected and repacked MLG wheel bearings.

*Visually inspected landing gear system.

*Pilot reported resistance in rudder system, visually inspected rudder system, raised NLG clear of ground, checked steering and rudder operation. Inspection and ops check normal at this time.

*M. Rowell A&P/IA 3038853

M. Rowell

AIRCRAFT Flight Design CTLS N924RD S/N F-16-01-51 Date 02/02/2017 Hobbs 217.0
TTAF 217.0 BRS rocket do not use after 06/2027. Parachute no use after 06/2021.
Open aircraft for annual conditional inspection. Checked tires & wheels, lubricate controls, pulleys
& bellcranks as necessary. Inspected fuel strainers, propeller/spinner, engine compartment, fuel
system, landing gear & airframe. Functional checked aircraft electrical system. Wings were
removed to inspected attach points. Inspected fuel filter. Inspected and functional checked ELT
Per FAR 91.207. Torqued engine mounts. Aircraft run check OK. I certify that this aircraft has
been inspected on 02/02/2018 in accordance with the manufacturer's maintenance and
inspection procedures, and was found to be in a condition for safe operation.

Rex Johnson

A&P 2712583 REX JOHNSON

AIRCRAFT Flight Design CTLS N924RD S/N F-16-01-51 Date 01/28/2019 Hobbs 285.0
TTAF 285.0 BRS rocket do not use after 06/2027. Parachute no use after 06/2021.
Open aircraft for annual conditional inspection. Checked tires & wheels, lubricate controls, pulleys
& bellcranks as necessary. Inspected fuel strainers, propeller/spinner, engine compartment, fuel
system, landing gear & airframe. Functional checked aircraft electrical system. Wings were not
removed to inspected attach points. Installed 2 new main tires and tubes 450X600. Inspected fuel
filter. Inspected and functional checked ELT Per FAR 91.207. Torqued engine mounts. Aircraft
run check OK. I certify that this aircraft has been inspected on 01/28/2019 in accordance with the
manufacturer's maintenance and inspection procedures, and was found to be in a condition for
safe operation.

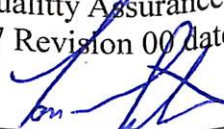
Rex Johnson

A&P 2712583 REX JOHNSON

24	Records of Maintenance		
Date	Time since new (airframe)	Remarks	Approval
04/23/2016	Aircraft TT: <u>2.8</u>	Time in Service: <u>2.8</u>	
I have inspected this aircraft and found that (MFG) Flight Design GMBH, (Model) CTLS, (Serial #) F-16-01-51, N924RD aircraft complies with the requirements of the certification requested (FAR 21.190). Certificate of Special Airworthiness (8130.7) along with Operating Limitations were issued this date (04/23/2016) with unlimited expiration. The next inspection is due 04/30/2017 or <u>102.8</u> Time in Service if the aircraft is used for compensation or hire. Bart B. Dalton <i>[Signature]</i> DAR T700789SW Elite Aircraft Service N924RD Hour Meter: <u>83.4 Hrs.</u> November 22, 2016 *Replaced carburetor heat cable internal wire with .042 inch spring steel wire and adjusted. *M. Rowell A&P/IA 3038853 <i>[Signature]</i>			

Records of Maintenance Inspection and Test		25
Date	Time since new (airframe)	Approval
AIRCRAFT Flight Design CTLS N924RD S/N F-16-01-51 Date 01/23/2017 Hobbs 94.0 TTAF 94.0 BRS rocket do not use after 06/2027. Parachute no use after 06/2021. Open aircraft for annual conditional inspection. Checked tires & wheels, lubricate controls, pulleys & bellcranks as necessary. Inspected fuel strainers, propeller/spinner, engine compartment, fuel system, landing gear & airframe. Functional checked aircraft electrical system. Wings were not removed. Inspected fuel filter. Replaced left main tire 4.50 X 600. Inspected ELT Per FAR 91.207. Torqued engine mounts. Aircraft run check OK. I certify that this aircraft has been inspected on 01/23/2017 in accordance with the manufacturer's maintenance and inspection procedures, and was found to be in a condition for safe operation. <i>Rex Johnson</i> A&P 2712583 REX JOHNSON Elite Aircraft Service N924RD Hobbs: <u>129.4 Hrs.</u> *Replaced brake linings, supplied by owner. *M. Rowell A&P/IA 3038853 <i>[Signature]</i> April 27, 2017		

22		Records of Maintenance, Inspection, and Test	
Date	Total time since new (frame)	Records	Approval
DENTON AVIATION CONSULTING, INC. CRS# Q6DR312Y CERTIFIES THAT TRANSPONDER SV-XPNDR MOD# -261 S/N 04346 HAS BEEN TESTED PER FAR 91.413 & FAR 43 APP. F W0041416 QH H03B5: .4 04/14/16 -			

Records of Maintenance, Inspection, and Test			23
Date	Total time since new	Records	Approval
04/23/2016	Aircraft TT: 2.8	Time in Service: 2.8	
Flight Design : CTLS All applicable AD's checked through Bi-Weekly (2016-08). No Safety Directives are applicable at this date. This aircraft is a factory-built Flight Design GMBH, model CTLS, N924RD, SN F-16-01-51. This aircraft has been assembled and inspected per the manufacture's specifications and manual ((by a manufacture's authorized technical staff member (Tom Gutmann of Airtime Aviation Inc.)) The following procedures were performed: 1) Wings installed per Flight Design AMM Section 4.1.2 2) Horizontal Stabilizer attached to the fuselage per Flight Design AMM Section 4.3.4.4 3) Wheel Pants Installed per Flight Design AMM Section 4.2.2.5 4) Graphic call signs installed per SI-ASTM-CTLS-27 Section 3.2.3. This aircraft was determined to be in a condition for safe operation and suitable for flight as per the Flight Design Quality Assurance Manual (naming specifically Tom Gutmann) as well as the SI-ASTM-CTLS-27 Revision 00 dated 01/2013  Tom Gutmann (President of Airtime Aviation Inc.)(Mfg. Authorized Technical Staff Member)			

18	Production Acceptance Test Flight Record	
Temperature 23 C	TT Airframe 1.8	TT Engine 1.9
Pre-Flight Check		
Oil pressure @ Max. RPM	Idle OK	1650
EGT @ Max. RPM	Max. RPM (note figure)	5000
Coolant temp within limits	✓	
Flight Test		
Climb trim speed (km/h) KTS	70 K	Lift off speed (km/h) KTS 51
Time to 1000', sec.	37	✓
Min trim speed 100 POWER KTS	53 K	CHT/OIL temp within limits 116
30° turn reversal at 50kt (95 km/h), time sec.	2.4	Max speed c: horizontal flight 1.8
Stall speed power off, flaps up	45	30° turn reversal at 115kt (220 km/h), time sec 44
Stall speed @ 30 degree bank	49	Stall speed, power on 4000 rpm, flaps up 35
Stall speed power off, flaps down	40	Stall speed, power on 4000 rpm, flaps down
Note that ALL boxes must have a value entered in resulting from the test flight		
Date 4-15-2016	Signature [Signature]	

Aircraft Assembled / Disassembled		19
Aircraft Assembled according Flight Design Procedures:	4-13-2016	Signature [Signature] Stamp [Stamp]
Aircraft Assembled according Flight Design Procedures:		Signature _____ Stamp _____
Aircraft Disassembled according Flight Design Procedures:		Signature _____ Stamp _____
Aircraft Assembled according Flight Design Procedures:		Signature _____ Stamp _____
Aircraft Disassembled according Flight Design Procedures:		Signature _____ Stamp _____
Aircraft Assembled according Flight Design Procedures:		Signature _____ Stamp _____
Aircraft Disassembled according Flight Design Procedures:		Signature _____ Stamp _____
Aircraft Assembled according Flight Design Procedures:		Signature _____ Stamp _____

12		Inst. lled Equipm ent			
Item No.	Installed	Remo ed	Manufacturer / Model	Serial Number	Notes
1	06. Mar.		Radio System	22719	
2	06. Mar.		Bracket BRS	6603	
3	06. Mar. 16		Fuel P. n. o	13.719	
4	06. Mar. 16		Ignition switch	AT15U98354	
5	06. Mar. 16		Regulator Rectifier Ducati Energia 362001	B010914	
6	06. Mar. 16		Starter Relay	B010915	
7	06. Mar. 16		Radio GTR-225	2A5002:90	
8	06. Mar. 16		Antenna AV-10	B010916	
9	06. Mar. 16		Intercom PM-3000	G09058-A	
10	06. Mar. 16		Headset	B010917	
11	06. Mar. 16		Headset	B010918	
12	06. Mar. 16		SV-XPNDR-261	01346	
13	06. Mar. 16		SV-ADSB-470	2	
14	06. Mar. 16		Antenna AV-74	B010919	

13		Inst. lled Equipm ent List			
Item No.	Installed	Remo ed	Manufacturer / Model	Serial Number	Notes
1	06. Mar. 16		Antenna AV-74	10920	☐ Optional ☒ Required
2	06. Mar. 16		Bracket BRS	LX1100284790	☐ Optional ☒ Required
3	06. Mar. 16		Fuel P. n. o	LX1100275673	☐ Optional ☒ Required
4	06. Mar. 16		Ignition switch	LX1100297646	☐ Optional ☒ Required
5	06. Mar. 16		Regulator Rectifier Ducati Energia 362001	TM0000073150	☐ Optional ☒ Required
6	06. Mar. 16		Starter Relay	B010921	☐ Optional ☒ Required
7	06. Mar. 16		Radio GTR-225	2CY010355	☐ Optional ☒ Required
8	06. Mar. 16		Antenna AV-10	B010922	☐ Optional ☒ Required
9	06. Mar. 16		Intercom PM-3000	3A0001471	☐ Optional ☒ Required
10	06. Mar. 16		Headset	22345	☐ Optional ☒ Required
11	06. Mar. 16		Headset	5831	☐ Optional ☒ Required
12	06. Mar. 16		SV-XPNDR-261	1820	☐ Optional ☒ Required
13	06. Mar. 16		SV-ADSB-470	5701	☐ Optional ☒ Required
14	06. Mar. 16		Antenna AV-74		

General Information

Manufacturer: Fly - Design GmbH

Model: CTLS

Engine No.: F-16 01-51

Registration No.: W9242

Date of Manufacture: 09 Mar. 2016

Engine installed at delivery:

Manufacturer: ROTAX

Model: 912 ULS

Serial No.: 6.784.001

Engine installed at delivery:

Manufacturer: Neuform

Model: CR3-65-47-101.6

HUB Model: Neuform

HUB No.: 1117

Model: Neuform

Blades Serial No.: 19946762532

1994 515.2

19946739532

Date: 03 Mar. 2016

Signature: Forst Shu