



FLIGHT DESIGN

Aircraft Log Book

Aircraft model: CTLS

Serial No.: F-16-05-54

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QZ 0100 0005, Rev. 5 Edition 12 August 2015

4. Mr. ...

Flight Record...

High

Action and Test.

Alerts, Service Bulletins, Security Notifications.

List of Service Instructions.

Entries.

 FBI LABORATORY
 100-443887-1000
 100-443887-1000

Manufacturer: Flight Design GmbH		Model: CTS	
Serial No: F-16-05-54		Registration No:	
Date of Manufacture: 10. Aug. 2016			
Engine installed at delivery:			
Manufacturer	ROTEX	Model:	912 ULS
		Serial No:	6.784.805
Propeller installed at delivery:			
Manufacturer	Neuform	Model:	CR3-65-47-101.6
HUB Model: Neuform		HUB Serial No.: 1277	
Blade Model: Neuform			
Index Serial No.: 199571890938		199572180833	
		199572240938	
Date: 10. Aug. 2016		Signature: [Signature]	

Installed Equipment List

F-16-05-54

Item No.	Date		Manufacturer / Model	Serial Number	Notes
	Installed	Removed			
1	08. Aug. 16		Rescue System	22798	☐ Optional ☒ Required
2	08. Aug. 16		Rocket	6617	☐ Optional ☒ Required
3	08. Aug. 16		Fuel Pump	13.8588	☐ Optional ☒ Required
4	08. Aug. 16		Gear Box	65723	☐ Optional ☒ Required
5	08. Aug. 16		Ignition Switch	AT15U07913/000100	☐ Optional ☒ Required
6	08. Aug. 16		Regulator Rectifier Quam Energy 26200	B014047	☐ Optional ☒ Required
7	08. Aug. 16		Star-Ter Relay	B014048	☐ Optional ☒ Required
8	08. Aug. 16		Radio GTR 217	2A5003034	☐ Optional ☒ Required
9	08. Aug. 16		Antenna AV-17	B014049	☐ Optional ☒ Required
10	08. Aug. 16		Intercom PM-3000	G09311-01	☐ Optional ☒ Required
11	08. Aug. 16		Headsets	B014050	☐ Optional ☒ Required
12	08. Aug. 16		Headsets	B014051	☐ Optional ☒ Required
13	08. Aug. 16		Transponder SV-11NDR-261	04453	☐ Optional ☒ Required
14	08. Aug. 16		Antenna AV-74	B014052	☐ Optional ☒ Required

Installed Equipment List

F-16-05-54

Item No.	Date		Manufacturer / Model	Serial Number	Notes
	Installed	Removed			
15	08. Aug. 16		SV-ADSB-470	1992	☐ Optional ☒ Required
16	08. Aug. 16		Antenna AV-74	B014053	☐ Optional ☒ Required
17	08. Aug. 16		ELT KANND AF406	LX110028472	☐ Optional ☒ Required
18	08. Aug. 16		ELT Remote control	TM2000693127	☐ Optional ☒ Required
19	08. Aug. 16		ELT Antenna ANT-200	B014054	☐ Optional ☒ Required
20	08. Aug. 16		ELT Mounting Bracket	LX1100275676	☐ Optional ☒ Required
21	08. Aug. 16		ELT Connector DIN12	LX1100298642	☐ Optional ☒ Required
22	08. Aug. 16		GPS GARMIN-AERA 796 (American)	22Y011153	☐ Optional ☒ Required
23	08. Aug. 16		Garmin GPS Antenna	B014055	☐ Optional ☒ Required
24	08. Aug. 16		Dynon D-1000	7949	☐ Optional ☒ Required
25	08. Aug. 16		Dynon D-1000	7968	☐ Optional ☒ Required
26	08. Aug. 16		SV-EMS-220	5832	☐ Optional ☒ Required
27	08. Aug. 16		SV-GPS-2020	2834	☐ Optional ☒ Required
28	08. Aug. 16		SV-BAT-320	5769	☐ Optional ☒ Required

Installed Equipment List					
F-16-05-54					
Item No.	Date		Manufacturer / Model	Serial Number	Notes
	Installed	Removed			
29	08. Aug. 16		SV-BAT-320	5786	☐ Optional ☒ Required
30	08. Aug. 16		SV-ADAHRS-200	7507	☐ Optional ☒ Required
31	08. Aug. 16		SV-ADAHRS-201	4913	☐ Optional ☒ Required
32	08. Aug. 16		Unheated Pitot Probe with AOA	A497858	☐ Optional ☒ Required
33	08. Aug. 16		Unheated Pitot Probe with AOA	A497859	☐ Optional ☒ Required
34	08. Aug. 16		Fuel Flow Transducer FT-60	167203	☐ Optional ☒ Required
35	08. Aug. 16		Fuel Pressure Sensor	B014056	☐ Optional ☒ Required
36	08. Aug. 16		AMP's Silent 0-60A	B014057	☐ Optional ☒ Required
37	08. Aug. 16		MAP Sensor	B014058	☐ Optional ☒ Required
38	08. Aug. 16		Inverter 10-700-14	B1632	☐ Optional ☒ Required
39	08. Aug. 16		Ribbon illuminating from beneath	B014059	☐ Optional ☒ Required
40	08. Aug. 16		Servo SV-42	6961	☐ Optional ☒ Required
41	08. Aug. 16	10. Aug. 16	Servo SV-42L	35310	☐ Optional ☒ Required
42	08. Aug. 16		Magnetic Compass	AS-12703	☐ Optional ☒ Required

Richard Chen



Installed Equipment List					
F-16-05-54					
Item No.	Date		Manufacturer / Model	Serial Number	Notes
	Installed	Removed			
43	08. Aug. 16		Hour meter	B014060	☐ Optional ☒ Required Honeywell
44	08. Aug. 16		Wiring Harness	8005890	☐ Optional ☒ Required
45	08. Aug. 16		Flap Control Unit FD-WK-Controller U.I.I	A647865	☐ Optional ☒ Required
46	08. Aug. 16		Battery Super B 10P	000028105	☐ Optional ☒ Required
47	08. Aug. 16		Battery Charger SUPER B	B014061	☐ Optional ☒ Required
48	08. Aug. 16		Wing light Wholen	00551	☐ Optional ☒ Required Right Green
49	08. Aug. 16		Wing light Wholen	00546	☐ Optional ☒ Required Left Red
50	08. Aug. 16		Landing light LED Wholen	16432	☐ Optional ☒ Required
51	08. Aug. 16		S-2 ROCKET SWITCH	B014062	☐ Optional ☒ Required
52	08. Aug. 16		Trim actuator	0000245	☐ Optional ☒ Required
53	08. Aug. 16		-	-	☐ Optional ☒ Required K. Value 60533
54	12. Aug. 16		Servo SV-42T	50231	☐ Optional ☒ Required

R. Chen

Production Acceptance Test Flight Record

Temperature	76°F	
TT Airframe	1.0	TT Engine 1.0
Pre-Flight Check		
Oil pressure @ Max. RPM	50 PSI	Idle OK
EGT @ Max. RPM	1256°F	Max. RPM (note figure) 1560 RPM
Coolant temp within limits	210°F OK	
Flight Test		
Climb trim speed (km/h) KIAS	75	Lift off speed (km/h) KIAS 60
Time to 1000', sec.	49	CHT/OIL temp within limits OK
Min trim speed -6 / Idle	60 KIAS	Max speed of horizontal flight 110 KIAS
30° turn reversal at 50kt (95 km/h), time sec.	2.5	30° turn reversal at 115kt (220 km/h), time sec 1.5
Stall speed power off, flaps up	44 KIAS	Stall speed, power on 4000 rpm, flaps up 44 KIAS
Stall speed @ 30 degree bank	46 KIAS	Stall speed, power on 4000 rpm, flaps down 35 KIAS
Stall speed power off, flaps down		
Note that ALL boxes must have a value entered in resulting from the test flight		
Date	3/28/2017	
Signature		

Aircraft Assembled / Disassembled

Aircraft Assembled according Flight Design Procedures:	3/8/17		A tpe 377676
	Date	Signature	Stamp
Aircraft Assembled according Flight Design Procedures:			
	Date	Signature	Stamp
Aircraft Disassembled according Flight Design Procedures:			
	Date	Signature	Stamp
Aircraft Assembled according Flight Design Procedures:			
	Date	Signature	Stamp
Aircraft Disassembled according Flight Design Procedures:			
	Date	Signature	Stamp
Aircraft Assembled according Flight Design Procedures:			
	Date	Signature	Stamp
Aircraft Disassembled according Flight Design Procedures:			
	Date	Signature	Stamp

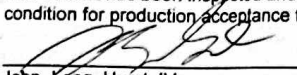
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Records of Maintenance, Inspection and Test

Date	Total time s'nce new (airframe)	Records	Approval
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N717BA March 8, 2017 TT Airframe: 1.0 Hobbs: 1.0
s/n F-16-05-54

This aircraft has been inspected and was found in a safe
condition for production acceptance flights.


John Long Hurst IV A & P 3776976

I have inspected this aircraft and determined that it
meets the requirements for the certificate requested.
I have issued a Special Airworthiness certificate for
a production flight test with operating limitations
dated / / 2017

X

DART-833932-SO

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Records of Maintenance, Inspection and Test

Date	Total time since new (airframe)	Records	Approval
------	---------------------------------------	---------	----------

DATE: 03/29/2017 T.T. 4.0 hrs

I certify that I have determined that this aircraft meets
the requirements for the certificate requested. I have
issued a Special Airworthiness Certificate in the
Special Light Sport category, With operating
limitations dated this date. The next inspection is due

04/01/2018


Albert Kimball DART-833932-SO

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Records of Maintenance, Inspection and Test

Date	Total time since new (airframe)	Records	Approval
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2/8/2018 N7173A Ignited wheel bearings, painted, and replaced a new set of exhaust springs, serr fuel, and lubricated. Etc. It exp 08/2022. Co-located an annual condition inspection and found the aircraft to be in an airworthy condition. Test it now.
 Run 11 miles. 23484.16

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Records of Maintenance, Inspection and Test

Date	Total time since new (airman)	Records	Approval
5/21/2021	149.9	TESTED ELT IN ACCORDANCE WITH FAR 91.207D INSPECTED AIRCRAFT IN ACCORDANCE WITH ANNUAL INSPECTION FOR FLIGHT DESIGN MAINTENANCE MANUAL & FAR 43.13 AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION. AIRCRAFT REG 10/21. TRANSPORTED OVER 1000. S.P. 204 A18712537 JA. 117 20/2000000000	
6/12/2021	150.9	FOR BATTERY w/ EARTH X LITHIUM LIFE PO4 ON F164554 FOR MRA-L 21-003-UG DATED 6/9/2021. CHECKED ELECTRICAL SYSTEM CHARGING. S.P. 204 A18712537 JA	

CO-MAR
AVIATION
A Member of the Martin Group

1020 Woodhurst Street
Bowling Green, KY 42103
270-781-9797

N717BA FLIGHT DESIGN CTLS

S/N: F-16-05-54

AUG 17, 2021 FLT HRS:176.7

Insufficient charging, Replaced rectifier with new Ducati 343620 CTLS P/N: C9997791A. Run up and functions check satisfactory. END.

Jessie L Cogar AP3757683


CO-MAR
AVIATION
A Member of the Martin Group

1020 Woodhurst Street
Bowling Green, KY 42103
270-781-9797

N717BA FLIGHT DESIGN CTLS

S/N: F-16-05-54

JUN 9, 2022 FLT HRS:259.9

Replaced Carb heat cable with CTLS P/N: C9997065B and rigged per CTLS AMM AF 0480 0001 Rev 3 section 5-4.
Functions check satisfactory. END.

Jessie L Cogar AP3757683
