SERVICE BOOK: HB-RTT

Aicraft: **DIAMOND DA50**			Engine No.1: **CD-300**			Engine No.2: **-**		
Owner: DIAMOND FLYING TEAM	Serial No.: 50.C.A.A.010	Total Time: 770:42	Total Cycles: 827	Serial No.: 06-01-00041	Total Time: 770:42	Total Cycles: 827	Serial No.:	Total Time: 00:00	Total Cycles: 0
Operator: DIAMOND FLYING TEAM	Maintenance Programm: AMP-HB-RTT, ISSUE 1, REV. 2			Manufact./Overhaul Date: 19.08.2021	Time Since Overhaul: 770:42	Cycles Since Overhaul: 827	Manufact./Overhaul Date:	Time Since Overhaul: 00:00	Cycles Since Overhaul: 0
AEROSERVICE Approval No.: SI.CAO.024	Airframe Maintenance Manual:			Propeller No.1: **MTV-12-D/210-56**			Propeller No.2: **-**		
	Engine Maintenance Manual:			Serial No.:	Total Time: 00:00	Total Cycles: 0	Serial No.:	Total Time: 00:00	Total Cycles: 0
	Propller Maintenance Manual:			Manufact./Overhaul Date:	Time Since Overhaul: 00:00	Cycles Since Overhaul: 0	Manufact./Overhaul Date:	Time Sice Overhaul: 00:00	Cycles Since Overhaul: 00:00

MAINTENANCE SCHEDULES:

Assembly	Inspection	Note	TBO	Last Inspection Made				Next Inspection At			
				Work Order	Date	Hours	By Service	Date	Days left	Hours	Time left
DA50	100HRS CHECK		100 hrs	261248	17.08.2026	767:06	SI.CAO.024			867:06	97 hrs
DA50	200HRS CHECK		200 hrs / 12 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2027	278 dys	967:06	197 hrs
DA50	1000HRS CHECK		1000 hrs	260007	19.08.2021	00:00	DIAMOND			1000:00	230 hrs
DA50	2000HRS CHECK		2000 hrs / 144 mth	260007	19.08.2021	00:00	DIAMOND	19.08.2033	2.472 dys	2000:00	1.230 hrs
DA50	FIRST MAJOR STRUCTURAL INSPECTION (MSI)		6000 hrs / 144 mth	260007	19.08.2021	00:00	DIAMOND	19.08.2033	2.472 dys	6000:00	5.230 hrs
DA50	SUBSEQUENT MAJOR STRUCTURAL INSPECTION		4000 hrs / 144 mth	260007	19.08.2021	00:00	DIAMOND	19.08.2033	2.472 dys	4000:00	3.230 hrs
DA50	AUTOPILOT MECHANICAL CHECK		12 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2027	278 dys		
DA50	AUTOPILOT TORQUE CHECK		60 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2031	1.739 dys		
DA50	MAIN BATTERY CONCODER CAPACITY TEST		1000 hrs / 12 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2027	278 dys	1767:06	997 hrs
DA50	SHORT PUSHRODS CONNECTED TO AILERON BOROSCOPI CHECK		60 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2031	1.739 dys		
DA50	SHORT PUSHRODS CONNECTED TO FLAPS BOROSCOPI CHECK	N/A									
DA50	HYDRAULIC RESERVOIR AIR FILTER CHECK		1000 hrs	260007	19.08.2021	00:00	DIAMOND			1000:00	230 hrs
DA50	DE-ICING FLUID STRAINER - CLEAN		1000 hrs / 60 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2031	1.739 dys	1767:06	997 hrs
DA50	LOW PRESSURE SWITCH - FUNCTION CHECK		24 mth	260007	26.06.2025	00:00	CH.145.031	26.06.2027	226 dys		
DA50	HIGH PRESSURE SWITCH - FUNCTION CHECK		2000 hrs / 24 mth	260007	26.06.2025	00:00	CH.145.031	26.06.2027	226 dys	2000:00	1.230 hrs
DA50	PITOT-STATIC SYSTEM LEAKAGE TEST		1000 hrs / 24 mth	260007	26.06.2025	00:00	CH.145.031	26.06.2027	226 dys	1000:00	230 hrs
DA50	AIRSPEED INDICATORS - Ensure correct indication		48 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2030	1.374 dys		
DA50	AIRSPEED INDICATORS - Ensure correct indication		24 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2028	644 dys		
DA50	ALTIMETERS (G1000 NXI AND BACKUP) - ENSURE CORRECT INDICATION		24 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2028	644 dys		
DA50	MAGNETIC COMPASS COMPENSATION		12 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2027	278 dys		
DA50	TRANSPONDER (G1000 NXI) - SYSTEM CHECK		1000 hrs / 24 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2028	644 dys	1767:06	997 hrs
DA50	OXYGEN TUBES, HIGH PRESSURE DISCHARGE LINE AND INDICATOR - CHECK		1000 hrs / 60 mth	260007	16.01.2026	758:00	CH.145.031	16.01.2031	1.526 dys	1758:00	988 hrs
DA50	OXYGEN SYSTEM - LEAK TEST		1000 hrs / 60 mth	260007	16.01.2026	758:00	CH.145.031	16.01.2031	1.526 dys	1758:00	988 hrs
DA50	BONDING SYSTEM AND STATIC DISCHARGING SYSTEM -RESISTANCE MEASUREMENTS		1000 hrs / 48 mth	260007	26.06.2025	00:00	CH.145.031	26.06.2029	957 dys	1000:00	230 hrs
DA50	AIRWORTHINESS REVIEW		12 mth	261248	25.08.2026	767:06	SI.CAO.024	25.08.2027	286 dys		

DA50	INSURANCE		12 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2027	278 dys		
DA50	RADIO STATION LICENCE		144 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2038	4.296 dys		
DA50	WEIGHING & CG CALCULATION			260007	15.09.2023	466:00	-				
DA50	FIRST AID KIT INSPECTION		12 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2027	278 dys		
CD-300	100HRS INSPECTION		100 hrs	261248	17.08.2026	767:06	SI.CAO.024			867:06	97 hrs
CD-300	200HRS INSPECTION		200 hrs	260007	26.06.2025	686:00	CH.145.031			886:00	116 hrs
CD-300	500HRS INSPECTION		500 hrs	260007		466:00	CH.145.031				
CD-300	1000HRS INSPECTION		1000 hrs	260007	19.08.2021	00:00	DE.21G.026			1000:00	230 hrs
CD-300	60 MONTHS INSPECTION		60 mth	260007	19.08.2021	00:00	DE.21G.026				
CD-300	DUAL MASS FLYWHEEL INSPECTION		1000 hrs	260007	19.08.2021	00:00	DE.21G.026			1000:00	230 hrs
CD-300	DUAL MASS FLYWHEEL INSPECTION		1500 hrs	260007	19.08.2021	00:00	DE.21G.026			1500:00	730 hrs
MTV-12-D/210-56	100HRS INSPECTION		100 hrs / 12 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2027	278 dys	867:06	97 hrs

LIFE LIMITED PARTS:

Assembly	Life Limited Part	Part No.	Serial No.	TBO	Last Inspection Made				Next Inspection At			
					Work Order	Date	Hours	By Service	Date	Days left	Hours	Time left
DA50	FIRE EXTINGUISHER AMEREX A620T OVERHAUL	A620T	-	72 mth	260007	01.01.2021	00:00	CH.145.031	01.01.2027	50 dys		
DA50	FIRE EXTINGUISHER AMEREX A620T HYDROSTATIC TEST	A620T	-	144 mth	260007	01.01.2021	00:00	CH.145.031	01.01.2033	2.242 dys		
DA50	OXYGEN REGULATOR VALVE - OVERHAUL		-	60 mth	260007	16.01.2026	00:00	CH.145.031	16.01.2031	1.526 dys		
DA50	OXYGEN MASKS - OVERHAUL		-	N/A - PILOTS DISCRETION								
DA50	OXYGEN CYLINDER - HYDRO TEST PER DOT		-	60 mth	260007	16.01.2026	00:00	CH.145.031	16.01.2031	1.526 dys		
DA50	OXYGEN OUTLETS - OVERHAUL		-	60 mth	260007	16.01.2026	758:00	CH.145.031	16.01.2031	1.526 dys		
DA50	FILLER BLOCK ASSEMBLY		-	60 mth	260007	16.01.2026	758:00	CH.145.031	16.01.2031	1.526 dys		
DA50	ALTERNATOR EXCITATION BATTERIES- (2X ALT. 1, 2X ALT. 2)		-	24 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2028	644 dys		
DA50	SAFETY HARNESSES, FRONT AND REAR		-	144 mth	260007	09.03.2021	00:00	CH.145.031	09.03.2033	2.309 dys		
DA50	FIRST AID KIT		-	60 mth	260007	31.10.2023	00:00	CH.145.031	31.10.2028	719 dys		
DA50	FIRE EXTINGUISHER AMEREX 337TS		-	144 mth								
DA50	ELECTRICAL FUEL PUMPS (2 PCS.)		-	1000 hrs / 120 mth	260007	19.08.2021	00:00	CH.145.031	19.08.2031	1.741 dys	1000:00	230 hrs
DA50	ELECTRICAL FUEL TRANSFER PUMP		-	2000 hrs / 120 mth	260007	19.08.2021	00:00	CH.145.031	19.08.2031	1.741 dys	2000:00	1.230 hrs
DA50	FUEL TANK VENT HOSES		-	96 mth	260007	19.08.2021	00:00	CH.145.031	19.08.2029	1.011 dys		
DA50	FUEL HOSES INTERCONN. CHAMBERS AND TO FILLER ASSY		-	96 mth	260007	19.08.2021	00:00	CH.145.031	19.08.2029	1.011 dys		
DA50	FUEL FILTER CARTRIDGE		-	100 hrs / 12 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2027	278 dys	867:06	97 hrs
DA50	CHECK VALVES OF THE ELECTRICAL FUEL PUMPS (TOTAL 2 PCS.)		-		260007	19.08.2021	00:00	CH.145.031				
DA50	TKS FLUID FILTER CARTRIDGE IN REAR FUSELAGE		-	2000 hrs / 144 mth	260007	19.08.2021	00:00	CH.145.031	19.08.2033	2.472 dys	2000:00	1.230 hrs
DA50	BRAKE FLUID, PER MIL-PRF-87257		-	36 mth	260007	23.08.2024	585:00	CH.145.031	23.08.2027	284 dys		
DA50	HYDRAULIC FLUID IN LANDING GEAR DAMPER		-	24 mth	260007	26.09.2025		CH.145.031	26.09.2027	318 dys		
DA50	HYDRAULIC FLUID IN HYDRAULIC SYSTEM		-	24 mth	260007	26.09.2025	00:00	CH.145.031	26.09.2027	318 dys		
DA50	OXYGEN CYLINDER		-	180 mth	260007	30.11.2024	00:00	CH.145.031	30.11.2039	4.766 dys		
DA50	OXYGEN CANNULAS		-	N/A - PILOTS DISCRETION								
DA50	AIR FILTER		-	200 hrs	260007	16.01.2025	758:00	CH.145.031			958:00	188 hrs
DA50	COOLANT COOLER AND INTERCOOLER SHOCK MOUNTS		-		260007	19.08.2021	00:00	CH.145.031				
DA50	COOLANT SILICATE POUCH		-	72 mth	260007	19.08.2021	00:00	CH.145.031	19.08.2027	280 dys		
DA50	COOLANT HOSES		-	96 mth	260007	19.08.2021	00:00	CH.145.031	19.08.2029	1.011 dys		

DA50	ALL CHARGE AIR HOSES FROM TURBO CHARGER TO ENGINE AIR INTAKE MANIFOLD		-		260007	19.08.2021	00:00	CH.145.031				
CD-300	ENGINE LIFE LIMIT	06-7200-K000302	06-01-00041	2000 hrs / 144 mth	260007	19.08.2021	00:00	DE.21G.026	19.08.2033	2.472 dys	2000:00	1.230 hrs
CD-300	FUEL FILTER		-	100 hrs	261248	17.08.2026	767:06	SI.CAO.024			867:06	97 hrs
CD-300	AIR FILTER		-	200 hrs	260007	16.01.2026	758:00	DE.21G.026			958:00	188 hrs
CD-300	FUEL PRE-FILTER		-	500 hrs	260007	15.09.2023	466:00	DE.21G.026			966:00	196 hrs
CD-300	AIR FILTER		-	500 hrs	260007	15.09.2023	466:00	DE.21G.026			966:00	196 hrs
CD-300	HIGH PRESSURE PUMP		00180	500 hrs	260007	15.09.2023	466:00	DE.21G.026			966:00	196 hrs
CD-300	ALTERNATOR		05735, 05736	500 hrs	260007	15.09.2023	466:00	DE.21G.026			966:00	196 hrs
CD-300	FUEL FEED PUMP		-	1000 hrs	260007	19.08.2021	00:00	DE.21G.026			1000:00	230 hrs
CD-300	V-RIBBED BELT		-	1000 hrs	260007	19.08.2021	00:00	DE.21G.026			1000:00	230 hrs
CD-300	RUBBER FUEL, OIL AND COOLING SYSTEM LINES		-	96 mth	260007	19.08.2021	00:00	DE.21G.026	19.08.2029	1.011 dys		
CD-300	FADEC MAINTENANCE		-	72 mth	260007	19.08.2021	00:00	DE.21G.026	19.08.2027	280 dys		
CD-300	COOLANT		-	24 mth	261248	17.08.2026	767:06	SI.CAO.024	17.08.2028	644 dys		
CD-300	DUAL MASS FLYWHEEL INSPECTION		-	1000 hrs	260007	19.08.2021	00:00	DE.21G.026				
CD-300	DUAL MASS FLYWHEEL INSPECTION		-	1500 hrs	260007	19.08.2021	00:00	DE.21G.026				
MTV-12-D/210-56	PROPELLER LIFE LIMIT	MTV-12-D	200471	2000 hrs / 72 mth	260007	21.08.2021	00:00	DE.21G.000	21.08.2027	282 dys	2000:00	1.230 hrs
MTV-12-D/210-56	GOVERNOR LIFE LIMIT		-	2400 hrs / 72 mth	260007	21.08.2021	00:00	DE.21G.000	21.08.2027	282 dys	2400:00	1.630 hrs

AIRWORTHINESS DIRECTIVES:

Assembly	Code	Description	Freq.	Last Inspection Made				Next Inspection At			
				Work Order	Date	Hours	By Service	Date	Days left	Hours	Time left
DA50	2006-0375	Electrical power -Rocker type switch inspection	REC								
DA50	2008-0183	Navigation - Mode-S Transponders - Replacement	ONE								
DA50	2008-02-06	GARMIN International GSM 85 Servo Gearbox Units	ONE								
DA50	2013-0020R4	Equipment & Furnishings # Safety Belts / Torso Restraint Systems # Inspection / Replacement	ONE								
DA50	2014-0279	Equipment / Furnishing - Restraint System Rotary Buckle Sub-Assembly - Identification / Replacement	ONE								
DA50	96-09-06	Air Filter Assemblies	ONE								
DA50	US 2005-18-20	Goodrich De-icing and Specialty Systems "FASTprop" Propeller De-icers	ONE								
DA50	US-2001-23-17	To prevent external noise from causing inaccurete deviation displays in the GNS 430 unit`s course	ONE								
DA50	US-2004-13-20	Modify and test the software	ONE								
DA50	US-2005-01-19	GARMIN International Inc. GTX 33, GTX 33D, GTX 330, and GTX 330D Mode S Transponders	ONE								
DA50	US-2006-03-08	Aero Advantage ADV200 Series (Part Numbers ADV211CC and ADV212CW) Vacuum Pumps	ONE								
DA50	US-2006-23-04	Some parts of the installed fuel system indicating system were contaminated with particles from the manufacturing process.	ONE								
DA50	US-79-07-02	ESB WISCO, INCORPORATED BATTERIES	ONE								
DA50	US-81-21-05	Artex Battery Packs	ONE								
DA50	US-98-14-03	AlliedSignal Inc. KT 76A Air Traffic Control (ATC) Transponders.	ONE								
DA50	AD2026-0140	Flight Controls - Flap Actuator - Inspections / Modification	REC	261248	17.08.2026	767:06	SI.CAO.024	17.08.2027	278 dys	967:06	197 hrs
CD-300	EASA 2015-0189	Time limits/ maintenance check- Airworthiness limitation section.	ONE								
CD-300	US-74-18-05	Magnetos	ONE								
CD-300	US-76-07-12	Bendix ignition switches -function check	REC								
CD-300	US-80-25-07 R1	Oil Coolers	ONE								

SERVICE BULLETINS:

Assembly	Code	Description	Freq.	Last Inspection Made				Next Inspection At			
				Work Order	Date	Hours	By Service	Date	Days left	Hours	Time left
DA50	CE-10-33R1	Small airplane /all/Muffler replace	REC								
DA50	MSB 50-002/6	Software for CD-300 Engine	ONE	261248	17.08.2026	767:06	SI.CAO.024				
DA50	MSB 50-003/8	Software for Garmin G1000NXi	ONE	261248	17.08.2026	767:06	SI.CAO.024				
DA50	MSB 50-012	Replacement of Retaining Rings MLG	ONE	260007	16.01.2026	758:30	CH.145.031				
DA50	MSB 50-013/1	Replacement of the prop de-ice bracket bolts	ONE	260007	16.01.2026	758:30	CH.145.031				
DA50	MSB40-030/3	Inspection of the universal joints between fuel selector handle and fuel selector valve	REC								
DA50	OSB 50-004	Activation-of-Garmin-FS510	ONE								
DA50	OSB 50-005	Fire Extinguisher Amerex 337 TS	ONE								
DA50	OSB 50-006/1	Installation of Oxygen System	ONE								
DA50	OSB 50-009	Improved NLG with reduced maintenance	ONE								
DA50	OSB 50-011	Control System Sealing Foams	ONE								
DA50	OSB 50-014	Installation of balance mass on NLG bulkhead	ONE								
DA50	OSB 50-015/1	Engine-Replacement	ONE								
DA50	RSB 50-007	Lubrication of Flap Actuator	ONE								
DA50	MSB 50-008	Retorquing the HS Bolts	ONE	260007	23.08.2024	585:00	CH.145.031				
DA50	SAIB CE-12-27	Flight Compartment Equipment; Inflatable Seat Restraints	ONE								
DA50	SIB 2010-17R4	Flight in Airspace with contamination of Volcanic Ash	ONE								
DA50	SIB CE-11-47R1	Tire Tube. Goodyear Aviation Tires,	ONE								
DA50	MSB50-002/6	Software for Continental Aerospace Technologies GmbH Centurion 3.0 (CD-300) Engine, approved versions	ONE	261248	17.08.2026	767:06	SI.CAO.024				
DA50	MSB50-016	Inspection and modification of the flap actuator installation.	REC							00:00	0 hrs
CD-300	SL TAE 000-1002	Initial Issue, Engine Operation in France	ONE								
CD-300	TM TAE 000-0001 Rev. 0	Compl. Categ. of SB	ONE	260007	23.07.2021	00:00	DE.21G.026				
CD-300	TM TAE 000-0002 Rev 1	Design Key for SB 070330	ONE								
CD-300	TM TAE 000-0003 Rev 49	Author Maint Org 131101	ONE								
CD-300	TM TAE 000-0004 Rev 152	Technify Motors GmbH Manuals in effect	ONE	260007	23.07.2021	00:00	DE.21G.026				
CD-300	TM TAE 000-0005 Rev 2	Key for eng. S/N 041118	ONE								
CD-300	SB CG300-1002 P1	REAR ENGINE MOUNT TIGHTENING TORQUE INSP.	ONE								
MTV-12-D/210-56	MTV-1 R0	Time Between Overhaul of Propellers, Governors and Oil-Accumulators (TBO)	ONE								
MTV-12-D/210-56	MTV-1AK	TBO of variable pitch propellers MTV	ONE								
MTV-12-D/210-56	MTV-27	MT-Governors and propellers inspection and upgrade for Governor Models ...	ONE								
MTV-12-D/210-56	MTV-5	Lag Screws in MTV/MTE propellers	ONE								
MTV-12-D/210-56	MTV-8B	More precise preflight inspection for MT fixed and variable pitch propellers (German AD)	ONE								
MTV-12-D/210-56	MTV-Supp 1AB	TBO of variable pitch propellers MTV	ONE								
MTV-12-D/210-56	SB NO. 1 R11	Time Between Overhaul of Propellers, Governors and Oil-Accumulators (TBO)	ONE								
MTV-12-D/210-56	SB-36R3	Engine Oils to be used with MT-Propellers	REC								

Notes