

AIRCRAFT TECHNICAL RECORD

Section 2. INSTALLATIONS & MODIFICATIONS LOG

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R3.2

RECORD of INSTALLATIONS & MODIFICATIONS

- a. Engine Installations
- b. Propeller Installations
- c. Airworthiness Directives (A/D)

AIRFRAME LOG

- f. Modifications (MODS)

1. Nationality and Registration: USA N32GH
2. Manufacturer's Designation: DA 62
3. Record of :

1. a. Engine Installations
- b. Propeller Installations
2. c. Airworthiness Directives (A/D)
- d. Service Bulletins (S/B)
- e. Special Inspections (S/I)
- f. Modifications (MODS)

Section 2A: Record of Engine &

[illegible]

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DATE

A/D, S/B, S/I, MODS

DESCRIPTION OF WORK PERFORMED.
(INSPECTION, REPAIRS, REPLACEMENT)

JUL 12 2016

Diamond
AIRCRAFT

AMO 161-93

Aircraft Reg: N32GH
Work Order: RO-16-074

Date: July 12, 2016

AMO 161-93	Manufacturer	Model	SN	
Airframe	Diamond	DA 62	62 026	
LH Engine	Austro	E4P-C	E4P-C-00039	TSN 31.8 Hrs
RH Engine	Austro	E4P-C	E4P-C-00040	TSN 31.8 Hrs
LH Prop	MT-Propeller	M11-V-O-K-L-F/CF194-80	160135	TSN 31.8 Hrs
RH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	160137	TSN 31.8 Hrs

- Aircraft and documentation inspected for Major Mod's and/or STC's incorporated. None found
- All applicable Airworthiness Directives and Service Bulletins complied with
- Airworthiness Directive biweekly checked thru 2016-14

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature: *[Signature]*

Lic or ACA:

DA
R06

AUG 18 2016

Diamond

August 18, 2016 S/N: 62.026 Reg. #: N32GH

WO#: RO-16-074 TACH: 35.4Hrs.

The following work carried out:

Garmin Advisory No. 1612 Rev. A 2015 IGRF Magnetic Field Update complied with.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

DIAMOND AIRCRAFT INDUSTRIES INC AMO #161-93

Signature: *[Signature]*

Lic. Or ACA

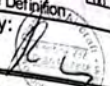
DA
R06

SB#	Description	compliance
Airframe		
OSB62-002/2	Software for E4P-C engine, approved versions	software will be updated at time of delivery
MSB62-003/2	Software for Garmin G1000; approved software systems, manifests and configurations	software will be updated at time of delivery
OSB62-004	Switch between Passenger Seat Row 2 (7-Seat-Configuration) and Rear Baggage Compartment (5-Seat-Configuration) and vice versa	N/A
OSB62-005	Installation of additional "Lemo" headset jacks	C/W at original build / manufacture
OSB62-006	Retrofit Installation of Sun Visors	C/W at original build / manufacture
OSB62-007	Retrofit Installation of Tablet Mount on A-Column	C/W at this time
OSB62-008	Installation of wiring provisions for Heated Static Ports and Aux Fuel Quantity Indication	C/W at this time
OSB62-009/1	Approval for Flight Into Known Icing Conditions	C/W at this time
RSB62-010	Replacement of the turbocharger V-clamps	C/W at this time
OSB62-012/1	Installation of power plant cooling improvement	not requested
RSB62-013	Improved mounting of 2nd Alternator	C/W at this time
OSB62-014	Installation of lager fuel cooler	not requested
OSB62-015	Installation of armrest with integrated keypad	C/W at this time
OSB62-016/1	Implementation of the increased Maximum Zero Fuel Mass of 2200 kg	optional
OSB62-017	Installation of new Garmin Hard- and Software upgrade	C/W at this time
Austro Engine		
MSB-E4-002	Configuration specification of the E4 engine series	info only
MSB-E4-003	Software and hardware versions of the E4 engine series	software will be updated at time of delivery
MSB-E4-004	Long term conservation	N/A
MSB-E4-006	Repair of sensor cable for camshaft sensor	N/A by engine model and S/N
MSB-E4-007	Replacement of waste gate controller	N/A by engine model and S/N
MSB-E4-008	Exchange of oil separator hose between cylinder head cover and oil separator	N/A by engine model and S/N
MSB-E4-009	Replacement of high pressure pump	N/A by HPP PN
MSB-E4-013	Gearbox oil inspection	N/A by Gear Box SN
MSB-E4-014	Replacement of the fuel return line	N/A by engine model and S/N
MSB-E4-017	Check/Exchange of timing chain	N/A at this time, to be reviewed based on operation and engine time (900 hrs)
MSB-E4-020	Inspection of gearbox housing	N/A by Gear Box rev level
MSB-E4-022/1	Waste Gate Controller	C/W, L/R controller replaced
MSB-E4-024	Waste gate - Spring loaded circlip	C/W at this time



NOV 17 2017

Registration:			Date:			replaced by MÄM Nr. TD... integrated in the Type Definition		
Aircraft S/N: 62.026			28.06.2016			Released by:		
VAM	Title	perf	MÄM 62-	Title	perf	MÄM 62-	Title	perf
007	DA 62		049	Fuel Filter Drain Seal	☒	096	Interior Improvement II	☒
			050	NLG Drawing Improvement II	☒	097	Weight saving console center Tun.	☒
			051	Improved ECU bracket	☒	098a	Rudder Trim Tab Hinge Position	☒
			052a	Impr. Upper Nacelle Shielding	☒	099a	Weight savings inner frame	☒
			053	Placards Design Improvement	☒	100a	Impr.spherical bearing rudder contr.	☒
001	2300 kg MTOM	☒	054a	Attachment points Gust Lock	☒	101a	Seat Improvements III	☒
002	Improved Instrument Panel	☒	055	Cool water tank-thread cap larger outlet	☒	102	Placard Improvement	☒
003	Rear Baggage Compartment	☒	056	Larger hole f.TKS line- Nacelle frame	☒	103b	Door lock with insert nuts	☒
004	Interior Definition	☒	057a	Bonding geometr.chd Windows PR 140B2	☒	104	Draw ing Recording VII	☒
005	Large Tires for MLG 1999 kg MLM	☒	058	HS Trim & Fit Improvement	☒	105b	Weight Saving Elevator	☒
006	2300 kg MLM	☒	059	Improved cabin sealing	☒	106	Impr. nose baggage door hinge	☒
007	Colors other than white	☒	060	Ring Frame 1 RACC mount.surface	☒	107	Pitot-Static-Tube Routing-bulkheads	☒
008	Nose Baggage Compartment	☒	061	Fuselage rebates opt. equipment	☒	108	Rudder Paint scheme-electr.bond.	☒
009	Impr. Electric/Avionic Draw ings	☒	062	Inspection holes for nose cone	☒	109a	Horizontal Stabilizer Bolting	☒
010	Kinematic Improvement Doors	☒	064	Notes for accompanying samples	☒	110a	Interior Improvement III	☒
011	Structural Improvement Doors	☒	065	Draw ing Recording IV	☒			
012	Draw ing Recording	☒	066	Impr. Electric / Avionic Draw ings II	☒	112a	Larger charged air hose	☒
014	Structural Parts I	☒	067	Recess Nacelle Air Outlet Sheet	☒	113	Fire wall Sheet Trim	☒
015	Control System Draw ing Recording	☒	068a	Attachment Operational Equipment	☒	114	Weight Saving Corr. Prot. Layers	☒
016	Reinforced VT Spar Bell crank	☒	069	Thinner Placards	☒	115	Bonding improvements of spar	☒
017	Improvement Seats	☒	070	Prod. Improvement Ventral Fin	☒			
018	Kinematic Improvement Doors II	☒	071a	Prod.improvm. center wing foams	☒	117a	Center Tunnel Simplification	☒
019	Clear. Improvement AP-System	☒	072a	Up. Rudder hinge move up to 10 mm	☒	118	HTTP Antenna Rib Weight Saving	☒
020	Draw ing Recording	☒	073	Production Impr. Interior I	☒	119	Rem. Of Cover, Cargo Bay, RH	☒
021	Draw ing Recording III	☒	074	Improvement Seats II	☒	120	Prod. Impr. - Structural Parts II	☒
022a	New Limits Balancing Mass Aileron	☒				121	Wing Tank Filler Cap Prot. Placard	☒
023	Improved Flap bell crank	☒	076	Draw ing Recording V	☒	122	New Type 6 Lubricants	☒
025a	Improved Aileron Bellcrank Guard	☒	077	MLG Drag Brace Rib Reinforcement	☒	123	Integrated Fire patches	☒
027	Clear.Manuf.Improvm. NLG area	☒	078	Wing Tip conn. with more bolts	☒	124b	Larger Backrest Pockets	☒
029	Draw ing Rec. Safety Walk	☒	079	NLG Box Improvement	☒			
030	Improved Fit Control Stick	☒	080c	Glareshield weight saving	☒	127a	CB4 Main Bolt Bushings	☒
032	Lightn.Prot.Production Simplification	☒	081	Sporty Wheel Cap	☒	128	Draw ing Recording - Landing Gear	☒
033	Direct Vision Panel Copilot Door	☒	082a	Shorter MLG Doors	☒	129	Redesign AP Cable Bridle Clamp	☒
035	NLG Draw ing Improvement	☒	083a	Prod. Impr. - Structural Parts	☒	130	Lighter Charge Air Hose	☒
036	Fuel Select.gearbox housing impr.	☒	084a	Production Improvement - NLG	☒	131	New bracket for NLG up switch	☒
037	Hydraulic Line Shielding I	☒	085	Reinforced MLG Strut	☒	132	Fire wall cable bush-reduced height	☒
039	Mount.Fire Exting. & Egress Hammer	☒	086a	Control System Improvements I	☒	133	Main Spar Casing bond. Gap reduc.	☒
040	Nacelle Cover NACA vents	☒	087	Compass Installation Improvement	☒	134	Weight Saving Aileron Push Rods	☒
041	Enlarged Nose Landing Gear Doors	☒	88a	I-Panel Sheet Metal Improvement	☒	135	Trim Setting Indicator conn. Impr.	☒
043	Placard Door Handle	☒	089	Eng.Contr.Assy shorter Switch cam	☒	136	Draw ing Recording VIII	☒
044	Rear NACA Removal	☒	090a	Reinf.fuselage COMM1/GPS2 Ant.	☒	137	Weight Saving Instrument Panel	☒
045	Placards Center Console	☒	091	Draw ing Recording VI	☒	138	Op. Suitability Data Master M in. Equ. L	☒
046	Alt of Terminal Block on NLG Bulkhead	☒	092	Mod. Fuel Tank Vent Fittings	☒	139	Battery Mount.Bracket Trimming Edge	☒
047	Wing Spar Gap Prod. Optimizat.	☒	093b	Prod. Improvement Nacelle Floor	☒	140	Prov. On ceiling frame for sun visors	☒
048	HS Lightning Protection Simpl.	☒	094	Distance Bushing VT Spar Impr.	☒	141c	Rear Bagg.tray flex bagg.comp.prov.	☒
			095a	NLG Bulkhead-Impr.Battery Rebate	☒			

Aircraft S/N: 62.026		Registration:		Date: 28.06.2016		replaced by MAM Nr. TD... Integrated in the Type Definition		Released by: 	
MAM 62-	Title	perf	MAM 62-	Title	perf	MAM 62-	Title	perf	
142	Contr. Surface Mass & Moment A	☒	188	Antenna Box Clearance Imp. Vent. H	☐				
143	MLG Production Improvement	☐	189	Carpet Improvement	☐				
145	Impr. Tolerance of control stick	☒	190a	Wiring Prov. Aux Fuel Ind. & H. Static P	☒				
147	Insulated hose for defrost	☐							
146	Weight saving Flap Pullrods	☐							
149	Improvement of Fuel Selector	☒	193	Fin Foam Improvement	☐				
			196	Elevator Trim assem. Clearances	☐				
153	Window painting modification	☒	197	AE Firewall Forward Kit	☒				
154	Drawing Corr. - Carbon Ins.	☒	198	Fuel selector shut-off lock II	☐				
155	Removal of Initial Structural Life Limit	☒	199	Corrosion Protecting Coating	☒				
156	NLG-Reinforcement Sheets w. 15mm	☐							
157	Tank Vent Fitting Extension	☐							
158	Seat improvement IV	☒							
159	AFM Rev. 3	☒	203	Avionic Comp. Cover - Sealing Impr.	☐				
			204	Intr. Cover in Avionic Compartment	☒				
161	Rudder Trailing Edge Bond. Weight S	☐							
			206	Change of position of Type Plate	☒				
163	Drawing Recording IX	☒							
164	Elevator rib positioning holes	☒	208	NLG Door Hinge Opt.	☐				
165	Impr. Clearance & fit nacelle cone	☐	209	Seat Improvement V	☐				
166	Larger rudder stop bushings	☒	210	Reinf. Center Wing Upper Shell	☒				
167	AFM TR Electr. Equipment	☒	211	Imp. Hydr. Shielding Plate	☐				
169	Fuel selector shut-off lock	☐							
170a	MLG Drag Brace Bolt	☒							
171	Longer MLG hydraulic lines	☐	215	V-Band Clamp Inst. Charge Air Flange	☐				
			216	L. Hole Upper Nose Rib Hydr. Sys.	☐				
173	Interior Improvement IV	☐							
174	Nacelle Floor Foam Pos. Optimizat.	☐							
175	Mod. Center Cons. Armrest interface	☐							
177	Placard - Interior Improvement	☐							
178	Int. Fire Prot. Patch Nacelle Upper S.	☐							
180	Shorter M 14 fuel pump hollow bolt	☐							
181	More Clearance at Power Lever Fric.	☐							
182	Dwg Recording Leading Edge Panels	☒							
184	Limitations Placard Improvement	☐							
185	AFM-TR Equipment List Update	☒							
186	New Rudder Trim Knob	☐							

Released by:

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NA Ottostraße 5, A-2700		Registration:		Date: 28.06.2016		ID... integrated in the Type Definition		Released by:	
Aircraft S/N: 62.026		Title		OAM 62-	per	Title		OAM 62-	per
OAM 62-	Title	per	OAM 62-	Title	per	OAM 62-	Title	per	OAM 62-
	Aux Fuel Tank Installation	☒							
001	Aux Fuel Tank Installation (non FKI)	☒							
002f	TKS System Installation	☒							
004f	Oxygen System	☒							
005c	RAOC 2 Installation	☒							
006	Additional Alternator	☐							
007a	Becker ADF 3500 Installation	☐							
008	DME Installation	☒							
008a	Garmin GWS 70 Installation	☒							
011	Avidyne TAS 600 Series Installation	☒							
012	Garmin Chart View	☒							
013	Garmin Synthetic Vision	☒							
014	Garmin ESP	☒							
015	Garmin GSR 56 Installation	☐							
017	USB Charging Ports	☒							
018a	MTOM Reduction to 1999 kg	☐							
019d	7-Seat Configuration	☐							
020	Middle Armrest	☒							
021b	WX-500 Stormscope Installation	☐							
022b	Sun Visors	☒							
023	Prov.hot wather operation	☐							
025b	Removable RH Control Stick	☐							
026b	Add. 6-pin Headset Connectors	☒							
027	USB Charging Ports PAX I Row	☒							
028	Leightw eight Oxygen Bottle	☐							
029	Larger Headrest	☒							
030a	Rem.Propeller Unfeathering System	☐							
033	Tablet Mount on A-Column	☐							
034	Prov. for 7-Seated Configuration	☒							
035	Debris Fuselage Ice Prot. Pads	☒							
036	Seat Extension with integr. wedge	☐							

Page 1 of 1

Date: 29. JUNI 2016

07-Mar-2016

Date:

729. JUN 2016

DATE / /	A/D, S/B, S/I, MODS	DESCRIPTION OF WORK PERFORMED (INSPECTION, REPAIRS, REPLACEMENT)
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Diamond
 DIAMOND AIRCRAFT INDUSTRIES INC.
 D.O.T. APPROVED MAINTENANCE ORGANIZATION
 8161-83

Work Order #: SO 871828 / SO 871867

Registration: N32GH	A/C Serial Number: 62.026	TTSN Airframe: 119.6 hrs
L/H Engine Serial Number: E4P-C-00039		TTSN L/H Engine: 119.6 hrs
R/H Engine Serial Number: E4P-C-00040		TTSN R/H Engine: 119.6 hrs
L/H Prop Serial Number: 160135		TTSN L/H Prop: 119.6 hrs
R/H Prop Serial Number: 160137		TTSN R/H Prop: 119.6 hrs

Following Work Service Bulletins Performed:

- Austro MSB E4-024/1 – waste gate controller circlip installation C/W
- Austro MSB E4-003/22, Engine software update to VC33-2P-06-21
- DAI MSB62-002/2 - Engine software update to VC33-2P-06-21
- DAI MSB62-003/2 – G1000 updated as applicable to section 1.8.2 (see OSB62-017)
- DAI OSB62-007 – Tablet Mount installed
- DAI OSB62-008 / OSB62-009 – FIKI certification C/W
 - o NOTE: This aircraft is now certified for FIKI operations IAW the limitation set out in the DA62 AFM Supplement S03
- DAI RSB62-010 – turbo charger V-Clips replaced with new
- DAI RSB62-013 – Improved Alternator mounting C/W
- DAI OSB62-015 – FMS (key pad) installed
- DAI OSB62-016/1 – 2200 Kg Zero Mass Fuel Weight C/W
- DAI OSB62-017 – G1000 Legacy system replaced with G1000 NXi

AWD BI Weekly Checked Thru 2017-22

The work described above was carried out IAW the applicable Standard of Airworthiness

Inspector



NOV 08 2017

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