

AIRCRAFT TECHNICAL LOGS

**Section 2. RECORD OF INSTALLATIONS &
MODIFICATIONS TO AIRCRAFT**

AIRFRAME LOG

1. Nationality and Registration N258DS
2. Manufacturer's Designation DA 40
3. Record of
 - (a) Engine Installations
 - (b) Propeller Installations
 - (c) Airworthiness Directives (A/D)
 - (d) Service Bulletins (S/B)
 - (e) Special Inspections (S/I)
 - (f) Modifications (MODS)

RECORD OF AIRFRAME AIRWORTHINESS DIRECTIVES (A/D), SERVICE BULLETINS (S/B)

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

DETAILS OF



Date: **11** October, 2007 S/N: 40.836 Reg: N258DS
 TTAF: 5.9 HRS Engine S/N: L-33609-51E Prop S/N: 070370
1 of 2

The following S/B and S/I have been carried out as applicable:
 DAI SI 40-005/Lycoming SB 342E/AWD 2002-26-01 Fuel Line (stainless steel tube assy.) and support clamp Inspection and Installation New – Due every 100 hours.
 DAI SI 40-006 – Exhaust System Inspection of Flanges New – Due every 50 hours.
 N/A if MSB 40-07 C/W.
 SI 40-009(FAA AD 2002-26-01) – Externally mounted fuel injection lines – C/W
 DAI SI 40-010- Repair of certain injection servos – N/A due to S/N of unit.
 OSB 40-010/2 - Optional Long range fuel tanks installation – C/W
 OSB 40-014 - Optional aluminum gear axles –N/A by A/C S/N
 OSB 40-015 - Optional winterization kit – C/W
 OSB 40-021/1 - CG adjustment, tail skeg ballast – N/A
 OSB 40-025/1 - Main landing gear struts, smaller main landing gear tires – N/A
 OSB 40-031/1 - Installation of Winter Baffle in Wing Fresh Air Inlet-C/W
 OSB 40-042/1 – Mechanical install. of Garmin GDL60/ A XM Datalink system – N/A
 OSB 40-043/1 - Installation of Becker ADF3500 and/or Honeywell KN63 DME – N/A
 OSB 40-050 – Install. of external static pressure source for KAP140 system – N/A
 OSB 40-057/1 - Adjust. of elevator travel and replacement of limitations placard – N/A
 OSB 40-059 - Installation of taller main landing gear – N/A; C/W during Mfg.
 MSB 40-07/4 -Exhaust Flange Connection Tube Riser Immediate if cracks detected – N/A by A/C S/N.

MSB 40-009 - Improvement of ground-connection to Alternator – N/A by A/C S/N.
 MSB 40-012- Replacement of Mixture Control Cable N/A as already Incomp. During mfg.
 MSB 40-018/2 - KAP140 Main software update – N/A by A/C S/N, A/C Config
 MSB 40-030/3 (EASA AD: 2006-0067, FAA AD 2007-11-21) Insp. of universal joints between fuel selector – Insp. C/W during Mfg.
 MSB 40-033 – Exhaust system – C/W, due at Next 15 RS and every 50 HR Inspection.
 MSB 40-044/1 - Muffler brace installation – N/A by A/C S/N.
 MSB 40-046/1 – Inspection of the nose landing gear leg - Refer to bulletin.
 MSB 40-048/2(EASA AD: 2006-0295-E, FAA AD: 2006-23-04) - Contamination in Engine Fuel System – N/A by Aircraft S/N
 Honeywell SB KC-140-M1 – KAP140 main software update – N/A
 Honeywell IB-511 – KAP140 Trim Fail faults, software update – N/A
 Garmin SB-0204 – GNS 430, GNS 530 Update of Software – N/A
 Garmin SB-0207 – Removal of Excessive Solder from Comm Board Vias-N/A
 Garmin SB-0209 – GMA 340 Mod 4 Factory Mod Only – N/A
 Garmin SB-0213 – GMA 340 Mod 7 one time. Factory Mod Only – N/A
 Garmin SB-0215 – Update Comm board Software – Advisory Only
 Garmin SB-0219 – GTX 327 Update Software – N/A
 Garmin SB-0220 – GDL 49 Upgrade Software – N/A
 Garmin SB-0223 – GTX 330 Upgrade Software – N/A
 Garmin SB-0224 – GNS 430/530 with GTX 330 software adds TIS capability – N/A
 Garmin SB-0225 – GTX 330/330D Upgrade Software – N/A
 Garmin SB-0301 – GTX 327 Upgrade Software – N/A
 Garmin SB-0304 – GTX 330 Upgrade Software – N/A
 Garmin SB-0308 – GNS 430/530 with GTX 330 software adds TIS capability – N/A
 Garmin SB-0408 – GIA 63 Covers – C/W during Mfg.
 Garmin SB-0409 – GTX 330/330D, GTX 33/33D – Software Upgrade – N/A
 Garmin SB-0410 – GMA 1347 Audio Board upgrade, auto squelch circuit(Opt) – N/A
 Garmin SB-0414 – GMA 1347 Mod 2, music muting, software ver. 2.04(Opt) - NCW
 Garmin MSB-0415 – GTX 33/33D Upgrade Software – C/W during prod.
 Garmin SB-0416 – GIA 63 Audio Panel Master Squelch(Opt) -NCW
 Garmin MSB-0418 – GIA 63 Mod 2 – C/W during prod.
 Garmin SB-0420 – Software upgrade for CNX80 – N/A as A/C not equipped
 Garmin SB-0422 – GTX 330/330D, GTX 33/33D – Software Upgrade – Opt
 Garmin SB-0426 – GTX 330/330D, GTX 33/33D – Software Upgrade – N/A
 Garmin SB-0505 – reworking GIA 63 LRU, Factory Mod only – Opt
 Garmin SB-0519 – G1000 System Software Ver. 0369.06 – N/A
 Garmin SB-0527 – Possible Delamination of Display in GDU – N/A by Mfg date
 Garmin SB-0710RevA – Hardware changes to GTX 33/33D – C/W by Garmin.
 Garmin SB-0713RevD – GSM 85 servo gearboxes inspected for FOD – C/W
 Garmin MSB-0522 Rev B – GIA 63 Outside Covers – C/W during prod.
 Garmin MSB-0533 – New 2005 IGRF Magnetic Field Model for G1000 GRS 77 – C/W
 Garmin MSB-0539 Rev B – G1000 System Software Ver. 0369.08 – C/W during Mfg.
Bi-weekly AWD check carried out to current revision 2007- a1

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

DIAMOND AIRCRAFT INDUSTRIES INC. D.O.T. APPROVAL #161 93

Signature _____

Lic or Stamp _____

**DA
Q42**

RECORD OF AIRFRAME AIRWORTHINESS DIRECTIVES (A/D), SERVICE BULLETINS (S/B),

DATE	A/D,	S/B,	S/I,	MODS	DETAILS OF
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Date: 11 October, 2007 S/N: 40.836 Reg: N258DS
 TTAF: 5.9 HRS Engine S/N: L-33609-51E Prop S/N: 070370
 2 of 2

The following S/B and S/I have been carried out as applicable:
 Garmin MSB-0735 – GRS 77 Mod 1 One time factory only mod – C/W
 Garmin AWD 2005-01-19 – GTX 330/330D, GTX 33/33D – Software Upgrade –C/W
 Vision Microsystem PSB02043009 – Prevention of Entering "Test" mode during – N/A
 Precision Airmotive Fuel Servo SB PRS-105 – N/A due to S/N of unit.
 Textron Lycoming MSB 565 – Replacement of Diaphragm-Type Fuel Pumps P/N LW-15473 with date code of 3201 – N/A as date code does not match installed on this A/C
 Textron Lycoming AD 2002-12-07-Prevent Complete loss of engine oil-N/A due to MN
 ACG AD A-2004-003 –Inspection carried out I.A.W. directive/see MSB 40-030/3.
 EASA AD 2005-0023/DAI-A SI 40-025/Lycoming SB and SI for Exhaust valve guide – Applicable by S/N.
 ACG AD No. A-2005-005/DAI-Austria MSB40-046 – Inspection of the nose landing gear leg – Applicable by S/N of 0700 through 0401- N/A as date code does not match installed on A/C.
 Lycoming MSB 548A/DAI SI 40-023 – Diaphragm-Type Fuel Pump – with a date code
 Lycoming MSB 574A – Cylinder Stud Hole Cross-Threaded – N/A by Engine S/N
 FAA AD 2007-11-21 – Inspection C/W during manufacturing – see MSB 40-030/3
 MT-Propeller SB 1AD – Time between Overhaul of Propellers, Governors and Oil-Accumulators (TBO) 1800 HRS/72 Months – See SB For Approved Time limits/schedule, information only.
 MT-Propeller installed as per TCCA STC No. SA06-52.
 Garmin Integrated Avionics System installed as per STC No. SA01254WI Amend. 1
 Garmin GFC 700 Automatic Flight Control System installed as per STC No. SA01389WI.
 Ryan 9900BX Traffic Advisory System (TAS) installed as per STC No. SA02266NY.
 Power Flow Systems Inc. Tuned Exhaust System installed as per STC No. SA03281AT.
 AmSafe Inflatable Restraint System installed as per STC No. SA01918LA.
 TCCA AD CF-90-03R2 – Exhaust type cockpit heaters; incorporate at intervals not to Exceed 1 year or 150 flight hours, whichever occurs first.

Bi-weekly AWD check carried out to current revision 2007- 21
 The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

DIAMOND AIRCRAFT INDUSTRIES INC. D.O.T. APPROVAL #161-93

Signature _____

Lic or Stamp



8-6-2009 S.B. MSB-40-054/1

Prevent Pinching of Pito, Static Lines.

RECORD

AIRWORTHINESS DIRECTIVES (A/D), SERVICE BULLETINS (S/B)

DATE

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

DETAILS OF

ALL

MFG Diamond Aircraft
 MODEL DA40
 A/C S/N 40.836
 A/C N# N258DS

Steiner Aviation International, Inc.
 1600 Triplett Boulevard
 Akron, Ohio 44306
 CRS V4NR896Y
 Airframe Logbook Entry

DATE 1/24/2008
 WO # 4293
 T.T. 23.9
 T.L. N/A

Garmin G1000 Field Upgrade to 0369.13 Software

Installed the following: 1) Garmin Service Bulletin #0739 I.A.W. Garmin publication P/N 190-0544-03, Rev. 1, dated June 2007. Placed the approved AFMS for the G1000 w/ GFC 700, dated 9/6/07 in the aircraft flight manual. Placed a copy of the S/W w/ checklist in the aircraft on CD-ROM. The system was tested I.A.W. the manufacturers recommendations, all checks are NORMAL at this time.

MAINTENANCE RELEASE

The aircraft or appliance identified above was repaired and / or inspected in accordance with current regulations of the Federal Aviation agency and is approved for return to service. Pertinent details of the repair are on File at this repair station under

Work Order Number 4293

DATE 1/24/2008 Time 23.9

Signed *Timothy R. Moran*

Steiner Aviation International, Inc. V4NR896Y
1600 Triplett Boulevard Akron, Ohio 44306