

Avionics &

**AIRCRAFT
TECHNICAL
LOGS**

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

AIRFRAME LOG

1. Nationality and Registration N171PS
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)



NAPLES

jet center

MAKE: Diamond MODEL: DA40 ACFT S/N: 40.701
ACFT REG: N171PS HOBBS: 387.1 W/O #: N20081W




Repaired Garmin G1000 "Failed Data Path" fault by straightening bent pins in GRS 77 electrical connector. Removed GDU 1040 MFD P/N 011-01080-00, S/N 89850527 and installed S/N 86850325. Reference Garmin International 8130-3 dated 9/26/07, Tracking #546677, Certificate #G6XR582Y. Repaired G1000 "TNA Data Fail" fault by re-configuring GIA 63 #2 to enable TAS. Removed GIA-63 #2, P/N 011-00781-01, S/N 48104656 and installed S/N 48103707. Reference Garmin International 8130-3, dated 1/31/2008, Tracking #667292, Certificate #G6XR582Y. Removal/installation and functional testing accomplished in accordance with Diamond Garmin G1000 MM 190-00545-00, Rev. G

I certify that this aircraft or component has been inspected and work described is approved for return to service.

Date: 3-21-08 Signature: Leo Gallo License # 2786672

377 Citation Point, Naples FL 34104239-649-7900

PROPELLER INSTALLATION

REMARKS - REASON FOR CHANGE	SIGNATURE
NEW ON DA 40 S/N 40.701	
ON DA 40 S/N 40.701 AS PER TCCA STC NO. SA06-52	
April, 2008 TT 391.1	Re Configured GEA 71 due to Inop gauges. Extended range tank option loc Ops check OK.  ATP



ACFT MAKE: DIAMOND MODEL: DA40 ACFT S/N: 40.701
 ACFT REG: N171PS ACFT TT: 612.1 W/O: N20768W

I certify that the altimeter and static system tests required by 14 CFR § 91.411 & transponder tests, including data correspondence, required by § 91.413 have been performed and found to comply with 14 CFR part 43, appendix E & F.

	Model	Serial Number	Altitude
Pilot Altimeter	<u>GDX 74A 011-00882-00</u>	<u>47807027</u>	<u>30,000'</u>
Copilot Altimeter	<u>UNITED 5934PP-3</u>	<u>456454</u>	<u>20,000'</u>
Altitude Encoder	<u>GA63-1 011-00781-01</u>	<u>48103707</u>	<u>20,000'</u>
Transponder #1	<u>GTX33 011-0077910</u>	<u>89103006</u>	<u>N/A</u>
Transponder #2	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

Date 8-26-07 Signature  Certificate No: MV5D055N

FAA REPAIR STATION MV5D055N.....239-649-7900

The following S/B and S/I have been carried out as applicable:

- DAI SI 40-002 / Lycoming Mandatory S/B 548 – Engine Driven Fuel Pump replacement – N/A by S/N
- DAI SI 40-003 – Vision Microsystem VM1000. Capacitor check – N/A
- DAI SI 40-004 – Honeywell SB KLN 94-SW2 KLN GPS Nav. System N/A
- 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
- 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.
- MSB 40-02 – Steel brake lines N/A due to S/N of A/C.
- OSB 40-03 Retrofit Installation for Night VFR N/A as already Incorporated during mfg.
- OSB 40-04/3 Retrofit Installation for IFR operation N/A as already Incorp during mfg.
- OSB 40-05 Optional Canopy and Door lock Retrofit – C/W.
- OSB 40-06 Optional ELT for DA40 A/C Registered in France – N/A
- OSB 40-010 /1 Optional Long range fuel tanks installation – C/W
- OSB 40-014 Optional aluminum gear axles –N/A
- OSB 40-015 Optional winterization kit – C/W
- OSB 40-021 CG adjustment, tail skeg ballast – N/A
- OSB 40-025 Main landing gear struts, smaller main landing gear tires – N/A
- OSB 40-031 Installation of Winter Baffle in Wing Fresh Air Inlet-C/W
- OSB 40-043 Installation of Becker ADF3500 and/or Honeywell KN63 DME – N/A
- MSB 40-07 Exhaust Flange Connection Tube Riser Immediate if cracks detected, no later than DEC 31 2002 – N/A
- MSB 40-009 Improvement of ground-connection to Alternator – PCW During mfg.
- MSB 40-012 Replacement of Mixture Control Cable N/A as already Incorp. During mfg.
- MSB 40-018/1 KAP140 Main software update – N/A
- MSB 40-030/1 Inspection of universal joints between fuel selector – Inspection C/W during Mfg
- MSB 40-044 Muffler brace installation – N/A
- Honeywell SB KC-140-M1 – KAP140 main software update – N/A
- Honeywell SB KS 270C-6 – Strain gage assembly for Pitch Servo – N/A
- Honeywell IB-511 – KAP140 Trim Fail faults, software update – N/A
- RSB 40-011 Starter relay replaced with latest revision – C/W
- 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-0218 – GNS 430, GNS 530 Update of Software – N/A
- 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, autosquelch circuit(Opt) – N/A
- Garmin SB-0414 – GMA 1347 Mod 2,music muting,software ver. 2.04(Opt) – C/W
- Garmin MSB-0415 – GTX 33/33D Upgrade Software – C/W during prod.
- Garmin SB-0416 – GIA 63 Audio Panel Master Squelch(Opt) –Opt
- 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-0423 – GTX 327, GTX 32 – Software Upgrade – Opt
- Garmin SB-0426 – GTX 330/330D, GTX 33/33D – Software Upgrade – N/A
- Garmin SB-0505 – reworking GIA 63 LRU, Facoty Mod only – Opt
- Garmin SB-0519 – G1000 System Software Ver. 0369.06 – C/W during Mfg.
- Garmin SB-0527 – Possible Delamination of Display in GDU – N/A by Mfg date
- 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.
- 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

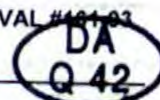
BI-weekly AWD check carried out to current revision 2006-20

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

DIAMOND AIRCRAFT INDUSTRIES INC. D.O.T. APPROVAL #101-03

Signature _____

Lic or Stamp _____



SPECIAL INSPECTIONS (S/I) AND MODIFICATIONS (MODS)

WORK OR INSPECTION PERFORMED

SIGNATURE

LICENCE NUMBER

9 Jan 2009 TT 786.9

C/W Diamond MSB40-060 MSB-F4-016

Brake A+P 3059360

28 Jan 2009

C/W Diamond MSB40-054 MSB-F4-013

Brake A+P 3059360

MSB 40-064

Jumper wires D/W IA by SW

MSB 40-058

Alternator resistor A.M.O.C performed

MSB 40-057

Pk/w 10/19/07

MSB 40-046/3

Pk/w 5/5/09 New MKG installed No longer repair

[Signature] AP39178214

SPECIAL INSPECTIONS (S/I) AND MODIFICATIONS (MODS)

WORK OR INSPECTION PERFORMED	SIGNATURE	LICENCE NUMBER
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C.A.W. Dwg's DA4-3144-21-00 REV.A AND DA4-3144-22-00 REV.C.		
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DA R08