

FLIGHT RECORD

Date	Crew - Équipage	Journey - Route	Record of time - Fiche de temps				Other - Autre			
1	2	3	4	5	6	7	8	9	10	11
---/---/---	Pilot/Copilot Pilote/Copilote	From De	To À	Up Décollage	Down Atterissage	Air time Temps-air	TTSN**			

2009

8 May

Totals brought forward / Totaux reportés

FIELD AVIATION EAST Ltd.
 Hangar 12, Toronto Buttonville Airport
 2833 - 16th Ave, Markham, Ontario
 Transport Canada Approved Maintenance Organization 13-74

AIRCRAFT REGISTRATION: C-FZNO AIRCRAFT MODEL: CESSNA A185E WORK ORDER: B55474

REMOVED:

Bendix-King KY97A Com	P/N 064-1051-70	S/N 34110	ARC Nav Indicator	P/N 31640	S/N 7692
Garmin AT GX55 GPS	P/N 430-6050-202	S/N 6021966	Terra AT3000 Alt. Digitizer	P/N AT3000	S/N 7060007
Bendix-King KT76A Xpdr	P/N 066-1062-00	S/N 113454	Garmin GA56 GPS Ant.	P/N 011-00134-00	S/N 59070397
GPSMap296 GPS		S/N 67018790	David Clark Isocom	P/N 18486G-01	S/N 1085048

INSTALLED:

Garmin GMA347	P/N 011-00807-00	S/N 47006401	Garmin GI106A	P/N 013-00049-00	S/N E06-11588
Garmin GNS430W	P/N 011-01060-00	S/N 23423028	Comant CI507 Diplexer		S/N 285565
Garmin GNC420W	P/N 011-01058-40	S/N 97202418	Garmin GA35 WAAS Ant.	P/N 013-00235-00	S/N 49393
Garmin GTX327 Xpdr	P/N 011-00490-00	S/N 83715975	Garmin GA35 WAAS Ant.	P/N 013-00235-00	S/N 26385
AirGizmos 396 Dckd		S/N 17212	Comant CI121 VHF Ant.		S/N 211244
Garmin GPSMap396	P/N 010-00425-00	S/N 125002074	ACK A-30 Alt. Encoder		S/N 88366

APPROVED & SPECIFIED DATA:
 Garmin GMA347 Installation Manual, 190-00325-01, Rev D, October 2008
 Garmin AML STC SA01695SE, Installation of Garmin GA Antenna Series
 Garmin AML STC SA01933LA, Installation of Garmin Model 400W / 500W Series GPS-WAAS Navigation System
 Garmin STC Antenna Installation Manual, 190-00569-00, Rev F, August 2007
 Garmin 400W Series Installation Manual, 190-00356-02, Rev G, December 2008
 Garmin GTX327 Installation Manual, 190-00187-02, Rev N, April 2008
 ACK Technologies A-30 Operation & Installation Manual, A30M, Rev 04, February 2005
 Mid-Continent Instruments MD200 Series Installation Manual, 8017702, Rev C, September 2003
 Garmin GPSMap 396 Manual, 190-00462-00, Rev E
 AC 43.13-1B Chapter 11, Sect. 3 & 7 (Wire Type Clamping and Routing)
 AC 43.13-1B Chapter 11 Sect. 2 (Electrical Hardware)
 AC 43-13-1B Chapters 5 & 7 (Hardware and Materials)

DESCRIPTION OF WORK ACCOMPLISHED:
 Removed KY97A.com radio, mounting tray, connectors & wiring. Removed GX55 GPS receiver, mounting tray, connectors & wiring. Removed navigation indicator & wiring. Removed KT76A transponder, mounting tray, connectors & wiring. Removed AT3000 altitude digitizer & wiring. Removed GPSMap 296 and mounting bracket. Removed David Clark Isocom intercom, wiring & mono phone jacks. Relocated EI engine monitor download switch & jack to lower avionics panel. Relocated avionics master switch to lower instrument panel. Removed GA56 GPS antenna from FS 62.83 at right hand wing root area.

Installed GMA347 audio panel, stereo phone jacks, music in jack, telephone jack & new wiring. Phone jacks installed in existing locations. Music in & telephone jacks located on lower avionics panel. The GMA347 audio panel is located in the top position of the avionics stack. It is secured to the panel using 6-32 screws and clip nuts. Power is provided through a 5 amp circuit breaker located on the avionics bus labelled "AUD AMP". The audio panel is interfaced to the following systems:

- GNS430W (COM 1, NAV 1)
- GNC420W (COM 2)
- Cockpit speaker
- GPS396 (XM audio)
- Music In jack
- Telephone jack
- Headphone & mic jacks

All four intercom positions (pilot, copilot, pax1, pax2) are wired for microphones and stereo headphones. The pilot and copilot positions are also connected to the existing David Clark ANR modules. In addition, the existing hand mic jack is connected to the pilot's mic.

Installed GNS430W IAW Garmin STC SA01933LA. The GA35 GPS antenna is installed IAW Garmin STC SA01695SE. The GNS430W is installed in the avionics stack immediately below the audio panel and is secured using 6-32 screws and clip nuts. Power for the GNS430W is provided by 10 amp and 5 amp circuit breakers located on the avionics bus, labelled "COM1" and "GPS1". Button backlighting is connected to the 14 VDC avionics dimming bus. The GA35 GPS antenna is mounted to the cabin roof at fuselage station 49.83, left of the aircraft centreline (Ref Leggat Aviation W/O 090416-03). The GPS antenna coax cable is 10 ft of RG142 and is routed under the headliner and down the left front windshield pillar to the GPS receiver. Installed a new COM antenna coax using RG142 and routed with the GPS coax. A CI507 VOR/LOC/GS diplexer was installed on the top of the glovebox. The NAV antenna coax was extended from the cabin roof area to the diplexer using RG142. A GI106A CDI was installed to the left of the 430W in the uppermost instrument panel cutout. The GNS430W is interfaced to the following systems:

- GMA347 Audio Panel (COM 1, NAV 1)
- GI106A CDI (analog deviations, OBS, VLOC/GPS annunciators)
- GNC420W (RS232 - Crossfill)
- GTX327 (RS232-Icarus-Alt, Aviation Out)
- STEC 50 autopilot (analog left/right channel)

Installed GNC420W IAW Garmin STC SA01933LA. The GA35 GPS antenna is installed IAW Garmin STC SA01695SE. The GNC420W is installed in the avionics stack immediately below the 430W and is secured using 6-32 screws and clip nuts. Power for the GNC420W is provided by 10 amp and 5 amp circuit breakers located on the avionics bus, labelled "COM2" and "GPS2". Button backlighting is connected to the 14 VDC avionics dimming bus. The GA35 GPS antenna is mounted to the cabin roof at fuselage station 49.83, right of the aircraft centreline (Ref Leggat Aviation W/O 090416-03). The GPS antenna coax cable is 10 ft of RG142 and is routed under the headliner and down the right front windshield pillar to the GPS receiver. A new CI121 VHF Com antenna was installed in the position vacated by the GA56 GPS antenna at FS 62.83. A new COM antenna coax was installed using RG142 and routed with the GPS coax. The GNC420W GPS is limited to VFR USE ONLY. The GNC420W is interfaced to the following systems:

15	(Brought forward) (Reporté)	Next scheduled maintenance: Prochaine maintenance planifiée:	Due: Échéance:	(hr/cycles/date) (h/cycles/date)*
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*Delete where inapplicable - Supprimer si ce n'est pas applicable

** Total time since new - Temps total depuis neuf

DOSSIER DE VOL

Maintenance

Defects Défectuosités	Rectification	Signature
<ul style="list-style-type: none"> ▪ GMA347 Audio Panel (COM 2) ▪ GNS430W (RS232 - Crossfill) ▪ GTX327 (RS232-Icarus-Alt) <p>Installed GTX327 transponder and A30 altitude encoder. The GTX327 is located at the bottom of the avionics stack and is secured using 6-32 screws and clip nuts. The A30 encoder is mounted on the top of the glovebox using the supplied mounting tray. Power for the transponder is provided through a 3 amp circuit breaker located on the avionics bus, labelled "XPDR". Installed a new transponder coax using RG142 and routed down the right hand cockpit side panel to the antenna. The transponder is interfaced to the following systems:</p> <ul style="list-style-type: none"> ▪ GNS430W (RS232- GPS groundspeed, Icarus-Alt) ▪ GNC420W (RS232-Icarus-Alt) ▪ A30 Encoder (Parallel Gray Code, Switched Power) <p>Installed an AirGizmos 396 Panel Dock in the avionics stack, below the GNC420W. The panel dock is secured to the panel using clip nuts and the supplied 8-32 screws. The GPSMap 396 is installed the panel dock. It is connected to aircraft power on the avionics bus through an inline fuse in the Garmin supplied power/data cable. It also connects to the GXM30 XM antenna, GMA347 audio panel via music input and existing A-34 GPS antenna located on the cabin roof.</p>		

POST INSTALLATION WORK AND DOCUMENTATION ACCOMPLISHED:

- Removed KA60 transponder antenna P/N 071-1174-00 S/N NSN. Installed replacement KA61 antenna P/N 071-00221-0010 S/N 07748. Tested ok.
- Pitot-static leak test carried out satisfactorily. Transponder Mode C correlation to 20,000 ft carried out satisfactorily.
- Weight & Balance Amendment (Amendment # 16). Aircraft gross weight 3525 lbs.
 Wheels – New aircraft empty weight 1890.79 lbs. New centre of gravity 36.24". New useful load 1634.21 lbs.
 Wheel Skis – New aircraft empty weight 2068.29 lbs. New centre of gravity 35.48". New useful load 1456.71 lbs.
 Floats – New aircraft empty weight 2272.29 lbs. New centre of gravity 38.27". New useful load 1252.71 lbs.
- Avionics Ground Test IAW applicable installation manuals.
- Compass swing carried out by Leggat Aviation.
- Electrical Load Analysis
- EMI/EMC Test Performed
- Documentation supplied to the aircraft owner:
 - Copies of Certificates for: STC SA01695SE (GA Series Antenna) & STC SA01933LA (400W Series Installation)
 - Garmin 400W Series Instructions for Continued Airworthiness, 190-00356-65, Rev A
 - Garmin GA Antenna Series Instructions for Continued Airworthiness, 190-00673-01, Rev F
 - Garmin GMA347 Pilot's Guide, 190-00325-00, Rev B
 - Garmin 400W Series Approved Flight Manual Supplement, 190-00356-03, Rev A
 - Garmin 400W Series Quick Reference Guide, 190-00356-01, Rev B
 - Garmin 400W/500W Series Display Interfaces Addendum, 190-00356-31, Rev C
 - Garmin 400W/500W Series Optional Displays Addendum, 190-00356-30, Rev C
 - Garmin 400W Series Pilot's Guide & Reference, 190-00356-00, Rev D
 - Garmin GTX327 Pilot's Guide, 190-00187-00, Rev D

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS



8 May 2009

FLIGHT RECORD

Date		Crew - Équipage	Journey - Route		Record of time - Fiche de temps				Other - Autre			
1	2	Pilot/Copilot Pilote/Copilote	3 From De	4 To À	5 Up Décollage	6 Down Atterissage	7 Air time Temps-air	8 TTSN**	9	10	11	
		Totals brought forward Totaux reportés							2495:58			

OMAR AVIATION LIMITED
 Date: 24/Dec/08 S/N: 18501831 Reg.: C-FZNO WO#: B6740
 TTSN:
 Remove aircraft from lake. Annual inspection completed as per Canadian Aviation Regulations. All requirements of Chapter 605 Standard 625 Appendix B&C have been met. Compression: 1-76/80, 2-78/80, 3-79/80, 4-76/80, 5-79/80, 6-76/80. Oil filter checked serviceable. New CH48109-1 oil filter installed. 11L of Aeroshell 15W50 oil added. GPS screen checked and GPS sent out for repairs. Installed wheel skis. Bleed hydraulic lines. Tires rotated. Bearings checked serviceable and packed. Replaced coax cable end on GPS antenna. Replaced knob for windshield defrost. Vacuumed dirty aircraft interior. Winter baffles installed. Compass checked with master compass. Tach checked serviceable with an electronic tach. Aircraft ground run serviceable. CF90-03R2 Exhaust System inspected serviceable. CF87-15R1 Seat Locking Mechanism found serviceable. SE71-7 Flex Hoses inspected serviceable. CF73-05 Rudder Pedal Torque Tube no crack found. SEB82-36A Fuel Contamination None found. 86-19-11 Fuel Sampling No contamination found.

84-10-01R1 Fuel Bladder Cells Inspected serviceable
 SB01-03 Control Yoke Inspection inspected serviceable
The maintenance described above has been performed in accordance with the applicable standards of airworthiness.
OMAR AVIATION LIMITED AMO APPROVAL #36

Signature  Lic. M395302

For	0	30	60	E	120	150
Steer	01	30	60	90	121	152
For	S	210	240	W	300	330
Steer	179	211	241	270	301	330

12/30	Bechand	Whitah	Local	1440	1521	41	
12/31	Bechand	Local	Whitah	1310	1345	35	
1/9	Bechand	Whitah	YRB	1540	1526	46	2498:00
1/19	Bechand	YRB	NUS	1017	1111	54	
1/19		NW3	YRB	1904	1957	53	
1/19	Bechand	YEL	YRB	1720	1830	1:10	
1/19	Bechand	YRB	NUS	1017	1111	54	2500:04
		NW3	YRB	1904	1957	53	2500:59
1/30	Bechand	YRB	Local	1731	1756	25	
2/6	Bechand	YRB	YRB	1826	1910	44	
		YRB	YRB	2109	2148	39	
2/20	Bechand	YRB	Local	1658	1812	1:22	
2/21	Bechand	Local	YRB	1340	1451	1:11	
3/1	Bechand	YRB	Local	1701	1822	1:20	
		Local	YRB	1942	2055	1:13	2507:51

FLIGHT RECORD

1 Date	2 Crew - Équipage Pilot/Copilot Pilote/Copilote	3 Journey - Route		Record of time - Fiche de temps				Other - Autre		
		4 From De	5 To À	6 Up Décollage	7 Down Atterissage	8 Air time Temps-air	9 TTSN**	10	11	
Totals brought forward Totaux reportés								2489.33		
<p>OMAR AVIATION LIMITED TTSN 2489.33 Date: 4/Sept/08 S/N: 1850131 Reg.: C-FZNO WO#: B6693 Aircraft removed from lake. Oil drained. Added 10L of Aeroshell W100 oil. Filter checked serviceable. New CH48109-1 filter installed. Installed missing float hatch tab LH float hatch. Davtron clock in working condition. Solder wires on clock fuse. Dimming works on clock. Seat rollers checked serviceable. Removed unserviceable vertical speed indication and installed new. Shortened compass wire. # 3, # 5 and # 6 EGT probes. Replaced worn seat washers with new. Re-attached scat hose under dash in proper position that had fallen off. Airspeed indicator reading off; new airspeed indicator installed. Cracked windshield V-brace removed. Sent out for repairs. Re-installed V-brace after repair. Aircraft ground runs serviceable. The maintenance described above has been performed in accordance with the applicable standards of airworthiness. OMAR AVIATION LIMITED AMO APPROVAL #366-91</p>										
Signature <i>[Signature]</i>		Lic. M395302								
9/5	Beard	Whitby	Trout	1400	1436	36				
9/6	Beard	Trout	Locath	1240	1201	121				
	Beard	Locath	Rushby	1517	1617	1.00				
9/7	Beard	Whitby	Locath	2014	2036	22				
10/7	Beard	Locath	Trout	1412	1537	1.25				
10/4	Beard	Trout	Locath	1140	1300	120				
10/5	Beard	Locath	Trout	1413	1526	113				
10/7	Beard	Trout	Whitby	1212	1252	40				
10/7	Beard	Whitby	Trout	1417	1437	30				
10/8	Beard	Trout	Whitby	1017	1053	36				
		Whitby	Trout	1040	1214	34				
10/18	Beard	Trout	Locath	1400	1457	57				
		Locath	Whitby	1840	1931	51				

