

Chapter 01

INTRODUCTION

FBA-2C1, FBA-2C2, FBA-2C3
FBA-2C4, FBA-2C3T, FBA-2C4T

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01 INTRODUCTION

1. GENERAL

This Airplane Maintenance Manual contains the data necessary to maintain the following airplanes manufactured by Found Aircraft Canada:

FBA-2C1 “Bush Hawk”
FBA-2C2 “Bush Hawk XP”
FBA-2C3 “Expedition”
FBA-2C4 “Bigfoot”
FBA-2C3T
FBA-2C4T

The manual provides detailed descriptions of systems, procedures for removal and installation of parts, applicable maintenance procedures and inspection intervals.

This manual contains the information required to maintain the aircraft in a safe and efficient manner.

For simplicity the six models will be referred to as the 2C1, 2C2, 2C3, 2C4, 2C3T and 2C4T in this manual.

2. WARNINGS, CAUTIONS, AND NOTES

Maintenance personnel must obey all the usual safety precautions and maintenance instructions when doing maintenance.

This Airplane Maintenance Manual also contains warnings, cautions and notes before applicable instructions:

WARNING: A WARNING TELLS THE PERSON DOING THE MAINTENANCE THAT INJURY OR DEATH IS POSSIBLE IF THEY DO NOT FOLLOW THE INSTRUCTIONS.

CAUTION: A CAUTION TELLS THE PERSON DOING THE MAINTENANCE THAT DAMAGE TO EQUIPMENT IS POSSIBLE IF THEY DO NOT FOLLOW THE INSTRUCTIONS. A Note tells the person doing the maintenance how to make the task easier.

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3. RELATED PUBLICATIONS

The following manuals and publications should be used in conjunction with this Airplane Maintenance Manual.

Found Aircraft Documents

Title	Publication No.
Illustrated Parts Catalog	FAC2-M250
Pilots Operating Handbook (FBA-2C1)	FAC2-M300
Pilots Operating Handbook (FBA-2C2)	FAC2-M400
Pilots Operating Handbook (FBA-2C3)	FM2C3
Pilots Operating Handbook (FBA-2C4)	FM2C4
Pilots Operating Handbook (FBA-2C3T)	FM2C3T
Pilots Operating Handbook (FBA-2C4T)	FM2C4T
Maintenance Manual Supplement for the Installation of the Lycoming TIO-540-AH1A Turbocharged Engine in the FBA-2C3T and FBA-2C4T	FAC2-M540T

List of Manufacturers Technical Publications

Item	Manufacturer Part No.	Manufacturer	Title	Publication No.
Engine	All Reciprocating Engines	Textron Lycoming	Service Letter	L114
	IO-540-D4A5 (260 hp)	Textron Lycoming	Operator's Manual	60297-10
	"	Textron Lycoming	Parts Catalog	PC-615
	"	Textron Lycoming	Overhaul Manual	60294-7
	IO-540-L1C5 (300 hp)	Textron Lycoming	Operator's Manual	60297-10
	"	Textron Lycoming	Parts Catalog	PC-615-5
	"	Textron Lycoming	Overhaul Manual	60294-7
	IO-580-B1A (315 hp)	Textron Lycoming	Operator's Manual	60297-28
	"	Textron Lycoming	Parts Catalog	PC-701-1
Propeller	HC-C3YR-1RF/F8068 HC-C3YR-1RF/F8468A-2R	Hartzell	Owners Manual	115N
	All Unison Magnetos	Unison	Service Manual	F-1100
ELT	E-01	ACK	Installation & Operation Manual-ELT	E-01-M
Battery	G-243 RG24-15M	Gill Concord	Service Manuals	GSM-590 5-0167
Engine Monitor	MVP-50	Electronics International	Installation Instructions Operation Instructions	II 0425051 OI 1002051
Manifold Pressure	M-1	Electronics International	Operating & Installation Instructions	OI 0517912
Tachometer	R-1	Electronics International	Operating & Installation Instructions	OI 0517911
Fuel Flow Gauge	FP-5 & FP-5L	Electronics International	Operating Instructions Installation Instructions	OI0505931 II0506931

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List of Manufacturers Technical Publications Cont'd

Item	Manufacturer Part No.	Manufacturer	Title	Publication No.
Floats	3450	Wipaire	Service Manual & ICA	N/A
Floats	3400	Aerocet	Service Manual & ICA	A-10031
G500 PFD/MFD System	GDU 620 Display: 011-01264-50 GRS 77 AHRS: 011-00868-10 GDC 74A ADC: 011-00882-00 GMU 44 Magnet: 011-00870-00 GTP 59 OAT: 011-00978-00	Garmin	G500 System ICA G500 System Installation Manual GDU 620 Installation Manual G500 Pilot's Guide Cockpit Reference Guide Flight Manual Supplement	190-01102-00 190-01102-06 190-00601-04 190-01102-02 190-01102-03 190-01102-01
G600 PFD/MFD System	GDU 620 Display: 011-01264-50 GRS 77 AHRS: 011-00868-10 GDC 74A ADC: 011-00882-00 GMU 44 Magnet: 011-00870-00 GTP 59 OAT: 011-00978-00	Garmin	G600 System ICA G600 System Installation Manual GDU 620 Installation Manual G600 Pilot's Guide Cockpit Reference Guide Flight Manual Supplement	190-00601-00 190-00601-06 190-00601-04 190-00601-02 190-00601-03 190-00601-01
400W Series GPS/Nav/Com	Multiple	Garmin	400W Series Installation Manual	190-00356-02
500W Series GPS/Nav/Com	Multiple	Garmin	500W Series Installation Manual	190-00357-02
System 55X Autopilot	Multiple	S-Tec (Cobham) FAC	55/55X General Information Installation Bulletin 55X Pilot's Operating Handbook Flight Manual Supplement	Bulletin 600 S03
GTN 6XX/7XX Navigators	Multiple	Garmin FAC	6XX/7XX Install Manual 6XX/7XX/GMA35 ICA 6XX Pilot's Guide 6XX Cockpit Ref. Guide 7XX Pilot's Guide 7XX Cockpit Ref. Guide Flight Manual Supplement	190-01007-A3 190-01007-A1 190-01004-03 190-01004-04 190-01007-03 190-01007-04 S10
GMA 35 Remote Audio Panel	010-00831-00	Garmin	Installation Manual Maintenance Manual	190-00858-11 190-00858-13
GMA 340 Audio Panel	011-00401-10	Garmin	Installation Manual Maintenance Manual Pilot's Guide	190-00149-01 190-00149-02 190-00149-10
GMA 350 Audio Panel	010-00871-00	Garmin	Installation Manual Maintenance Manual Pilot's Guide	190-01134-11 190-01134-13 190-01134-12

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List of Manufacturers Technical Publications Cont'd

Item	Manufacturer Part No.	Manufacturer	Title	Publication No.
GTX 33 Remote Transponder	Multiple	Garmin	Installation Manual ICA	190-00906-00 190-00303-63
GTX 330 Transponder	Multiple	Garmin	Installation Manual Maintenance Manual Pilot's Guide	190-00207-02 190-00207-05 190-00207-00
GTX 327 Transponder	Multiple	Garmin	Installation Manual Maintenance Manual Pilot's Guide	190-00187-02 190-00187-05 190-00187-00
GDL 69/69A XM Satellite Radio	Multiple	Garmin	Installation Manual ICA	190-00355-02 190-00355-00
GTS 8XX Traffic System	Multiple	Garmin	Limitations Manual Mech. Installation Manual Elect. Installation Manual Config & Check Manual ICA Pilot's Guide	190-00993-00 190-00993-04 190-00993-05 190-00993-03 190-00993-01 190-00587-02
CO Detector	452-101	Guardian	ICA Installation and Operational Manual	CA-101 01-2510-02

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4. CONTACT INFORMATION

If you have any comments regarding this manual, or the information related to this manual, in regards to content, conflicts, omissions or ideas for improvement or clarification, please contact Customer Service at Found Aircraft Canada Inc.

When contacting FAC for any service information, please have the following details available;

1. Aircraft Serial Number
2. Maintenance Manual Reference (If Applicable)
3. Description of the assembly, area of the aircraft, system involved
4. Detailed description of the inquiry, with all relevant information as listed below;
 - a. What are the symptoms?
 - b. What troubleshooting has taken place?
 - c. Any findings of investigations.
 - d. Any adjustments carried out.

Telephone: (705) 378-0530

Fax: (705) 378-0594 (705) 378-4240 (Quality Assurance)

Email:

custsupport@foundair.com For all technical questions and warranty.

parts@foundair.com For all standard parts ordering.

qualityassurance@foundair.com For all inquiries about publications.

Mail/Courier: Found Aircraft Canada Inc.
95 Airport Road
Seguin, Ontario,
Canada
P2A 2W8

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5. FAC FORMS

A. Technical Document Feed-Back Form

Should you find a discrepancy in Found Aircraft Canada Inc.'s manuals, please fill out this form and send it to our Quality Assurance Department.

Found Aircraft Canada Inc.	
Technical Document Feed-Back Form	
NUMBER (<i>internal use only</i>):	_____
NAME:	_____
E-MAIL:	_____
PHONE:	_____
ORGANIZATION:	_____
LOCATION:	_____
DATE:	_____
AIRCRAFT MODEL:	_____
AIRCRAFT S/N:	_____
AIRCRAFT HOURS:	_____
DOCUMENT NO.:	_____
DOCUMENT NAME:	_____
DOCUMENT DATE:	_____
CHAPTER NO.:	_____
PARAGRAPH/STEP:	_____
FIGURE NO.:	_____
TABLE NO.:	_____
DESCRIPTION: <i>(Please provide a detailed description of the difficulty. Use additional pages if required.)</i>	_____
RECOMMENDATION: <i>(Please provide a recommended change to the document. Use additional pages if required.)</i>	_____
Form 8400-10 September 19, 2008	

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B. Maintenance Instruction Continuing Analysis Form

The form below is used to collect information from operators and maintenance organizations for the purpose of evaluating, and maintaining an inspection program that is relevant through-out the life of FAC aircraft. The form shall be sent out yearly to all owners by FAC. If you have information pertinent to the inspection program or your aircraft, please fill out the form and forward it to Quality Assurance at any time.

Found Aircraft Canada Inc. Maintenance Instruction Continuing Analysis Form	
NUMBER	_____
NAME:	_____
E-MAIL:	_____
PHONE:	_____
ORGANIZATION:	_____
LOCATION:	_____
DATE:	_____
AIRCRAFT MODEL:	_____
AIRCRAFT S/N:	_____
AIRCRAFT HOURS:	_____
Are tasks in chapter 5 adequate for inspecting the aircraft? <i>(Please provide a detailed description and recommended change to the document. Use additional pages if required.)</i>	_____
Are task intervals acceptable or should they be adjusted?	_____
Have you experienced any failures?	_____
What have been the failure frequencies?	_____
What have been the consequences of the failures?	_____
Have you experienced any unanticipated problems?	_____
Do you have any problems following or interpreting maintenance tasks?	_____
Have you experienced any corrosion problems that would not be considered normal?	_____
Form 8400-20 September 19, 2008	

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C. Change of Ownership Form

In the event the aircraft is sold this form must be filled out by the new owner and returned to Found Aircraft Canada Inc. to ensure that the new owner receives all technical data or other service information that may be distributed by the manufacturer.

Change of Ownership Form

Please fill in all applicable information fields below and forward to FAC Quality Assurance:

Email: qualityassurance@foundair.com
Fax: 705-378-4240

Aircraft Model: FBA - _____ Aircraft Serial Number: _____

PREVIOUS OWNER

Name _____
Address _____
Town/City _____
Province/State _____
Country _____
Postal/Zip code _____
Phone Number _____
Fax Number _____
E-mail address _____
Aircraft Registration _____

NEW OWNER

Name _____
Address _____
Town/City _____
Province/State _____
Country _____
Postal/Zip code _____
Phone Number _____
Fax Number _____
E-mail address _____
Aircraft Registration _____

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6. RETURNING PARTS

If you are going to return any part or assembly to Found Aircraft Canada Inc. or the part manufacturer - **DO NOT DISASSEMBLE** the item. Remove the item from the aircraft and forward it with a removal/unserviceable tag with the following information;

- Aircraft Serial Number
- Airframe Total Hours
- Unit Part or Model Number
- Unit Serial Number
- Hours in service for the item (if known)
- Reason for the removal

Please include a short precise description of the problem such as 'intermittent operation', 'lighting not working', 'indicator needle does not move smoothly', 'unit does not work, reason unknown'. Do not state 'Unserviceable' or 'Does not work'

Failure to carry out the above may jeopardize warranty claims, or result in complete overhaul of units that do not require complete overhaul.

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