

CABRI G2

Maintenance Manual

**and Instructions for
Continued Airworthiness**



J70-002 - Issue 06



TABLE OF CONTENT

SECTION A	GENERAL	A-1
A-1	General Information	A-3
A-2	Cabri G2 Description	A-13
A-3	Helicopter Basic Servicing	A-17
A-4	Helicopter References	A-29
A-5	Helicopter Weighing Procedure	A-31
A-6	Transport, Shipment and Storage.....	A-35
SECTION B	MAINTENANCE INSPECTIONS	B-1
	Introduction.....	B-3
B-1	First 25-Hour Inspection	B-5
B-2	50-Hour Inspection	B-6
B-3	100-Hour / 12-Month Inspection	B-7
B-4	500-Hour / 60-Month Inspection	B-9
B-5	Calendar Only Inspections.....	B-10
B-6	Special Inspections.....	B-11
B-7	Emergency Floatation System Inspection.....	B-15
SECTION C	AIRWORTHINESS LIMITATIONS.....	C-1
C-1	General.....	C-3
C-2	Limitations	C-4
SECTION D	OTHER LIMITATIONS	D-1
D-1	Time-In-Service Records	D-3
D-2	Manufacturer Time Limits	D-4
D-3	Overhaul Requirements.....	D-5
D-4	Incidents and Accident Reports	D-6
SECTION E	MAINTENANCE INSTRUCTIONS.....	E-1-1
E-1	Main Rotor	E-1-1
E-2	Main Transmission.....	E-2-1
E-3	Tail Rotor and Transmission	E-3-1
E-4	Flight Controls.....	E-4-1
E-5	Powerplant.....	E-5-1
E-6	Airframe	E-6-1
E-7	Systems.....	E-7-1
E-8	Miscellaneous.....	E-8-1
E-9	Optional Equipment	E-9-1
SECTION F	TROUBLESHOOTING	F-1
SECTION G	APPENDIX	G-1
G-1	Special Tooling	G-1
G-2	Tail Rotor Blade Rigging Check Template	G-2
SECTION H	FLIGHT REPORT MODELS.....	H-1

A-13 MANUAL REVISIONS

Before using this manual, make sure it includes all current revisions.

Section C is EASA-approved.

All other sections are approved under DOA EASA.21J.211.

The following table gives the revisions list:

Issue	Revision object	Issue Date	Approval reference (*)
01	Creation	12 / 06 / 08	EASA.R.145 dated 14/12/07
			Approved under DOA EASA 21J.211
02	Update	04 / 09 / 08	EASA.R.C.0.0395 dated 15/09/08
			Approved under DOA EASA 21J.211
03	Update for 500 h inspection	23 / 10 / 09	Approved under DOA EASA 21J.211
04	Update	19 / 10 / 11	Approved under DOA EASA 21J.211
05	Update	Dec 4 th , 2014	EASA Major Change Approval 10051473
		Dec 19 th , 2014	Approved under DOA EASA 21J.211
05.1	Cooling fan life limit addition & inspection requirement modification Engine pulley ball bearing life limit addition	Oct 30 th , 2015	EASA Major Change Approval 10055313
05.2	Evolution 05.2	Jan 25 th , 2017	Approved under DOA EASA 21J.211
	Editorial		
	ICA update		
	Frequency increase according to SB12-004		
	Specification for overhaul		
	Update Page shift		
05.3	A-13: revised B-1: revised B-7: new D-2: revised D-3: revised E 10-A-03: revised E 12-C-03: revised E 14-A-05: revised	April 27 th , 2018	Approved under DOA EASA 21J.211

Issue	Revision object	Issue Date	Approval reference (*)
05.3	E 21-A-51: revised E 31-A-04: revised E 31-A-05: revised E 32-A-05: revised E 32-A-10: revised E 32-A-11: revised E 32-A-20: new E 41-B-02: revised E 41-B-03: revised E 41-B-04: revised E 41-B-06: revised E 50-B-02: revised E 51-A-07: revised E 52-A-03: revised E 55-A-11: revised E 55-A-14: revised E 93-A-17: revised G-2: revised	April 27 th , 2018	Approved under DOA EASA 21J.211
06	A-13: revised A-17: revised A-21: revised B-Introduction: revised B-1: revised B-2: revised B-3: revised B-4: revised B-63: revised B-64: revised C-1: revised C-22: revised C-23: revised D-1: revised D-2: revised D-3: revised E 10-A-03: revised E 11-A-02: revised E 11-A-06: cancelled E 12-A-02: cancelled E 12-B-01: revised E 12-C-01: revised E 13-A-04: revised E 14-A-02: revised E 14-A-04: revised E 14-A-06: revised E 21-A-02: revised E 21-A-03: revised E 21-A-04: revised E 21-A-05: revised E 21-A-06: revised E 21-A-08: revised E 21-A-09: revised E 21-A-15: new E 21-A-16: new	Dec 6 th , 2018	Chap C: EASA Major Change Approval 10066089 Other Chap approved under DOA EASA 21J.211

Issue	Revision object	Issue Date	Approval reference (*)
06	E 21-A-51: revised E 31-A-03: revised E 31-A-04: revised E 31-B-04: revised E 31-B-05: revised E 32-A-02: revised E 32-A-05: revised E 32-A-20: cancelled E 32-A-51: revised E 41-A-01: revised E 41-A-11: revised E 41-B-02: revised E 41-B-05: revised E 41-B-06: revised E 41-B-08: revised E 41-B-09: revised E 41-B-10: new E 41-B-11: new E 42-A-02: revised E 44-A-01: revised E 44-A-02: revised E 44-A-03: new E 44-A-05: revised E 50-A-02: revised E 50-A-11: revised E 50-A-12: revised E 50-B-02: revised E 50-B-03: revised E 50-B-21: revised E 50-B-22: revised E 50-C-30: new E 50-C-31: new E 51-A-01: revised E 51-A-02: revised E 51-A-03: revised E 51-A-07: revised E 51-A-09: new E 52-A-03: revised E 56-A-03: revised E 62-A-08: revised E 64-A-01: revised E 65-A-01: revised E 65-A-03: revised E 67-A-02: revised E 71-B-10: revised E 71-B-15: revised E 72-B-01: revised E 81-A-10: new	Dec 6 th , 2018	Chap C: EASA Major Change Approval 10066089 Other Chap: DOA EASA 21J.211

Note: Issue 03 of airworthiness limitations section was approved under DOA. Minor classification of change was granted by EASA through letter DSAC/NO/NAV-090045.

52-A-10 Cooling Fan Inspection (SB 14-018)

IPC 5.7-0

- a) Open the cowlings,

Note: The inspection is easier if the engine cowlings are removed (which is the case for 100-hour inspections).

- b) Remove the scroll inlet screen,
c) Closely inspect the fan front flange:
- Clean the visible portion with a cloth dampened with petrol,
 - Using a torchlight, look for any crack, specifically around the starter ring gear,
 - Turn the crankshaft approximately 90° and reiterate until the complete flange is inspected.



Note: If the sparkplugs are removed, the crankshaft is easy to turn by hand. If they are not removed, short pulses on the starter may be used to turn the crankshaft. Turn slowly by hand to turn against the compression if needed.

Warning: It is strictly prohibited to use any tool on the starter ring gear to rotate the crankshaft.

- d) If a crack is found, proceed to the replacement of the fan before any further flight,
e) Send the cracked front flange to HG when ordering the new one.