



A/C TYPE EC 155B. 6583.
 A/C REGN 9M-SAS.
 TYPE OF CHECK _____



EUROCOPTER SOUTH EAST ASIA PTE LTD
 48 Loyang Way Singapore 508740

NO: **15823** FORM NO: M/003
 JOB NO. _____
 PAGE _____ OF _____

DEFECT AND RECTIFICATION WORKSHEET/CERTIFICATE OF RELEASE TO SERVICE

ITEM NO.	REPORTED BY DATE	DEFECT/WORK REQUIRED	ACTION TAKEN	COMPONENT CHANGES		G.I.N.NO. OR O/HAUL REPORT NO.	MAN HOURS	MECH	LIC/ APP NO. DATE
				S/N OFF	S/N ON				
1	Evan. 10.06.03.	To carry out aircraft battery capacity check.	Aircraft battery capacity check c/out. 'SATIS'. Next due for capacity check on 09.12.03. battery s/n: J04071.				Std	10.06.03	 JML. <i>[Signature]</i> 10/06/03
2	ANDREW 10/06/03	To CARRY OUT CAUTION ADVISORY PANEL LABEL REPLACEMENT AND S.B. NO. 77A001. [REF. AD 72003-196 (A)]	LABEL REPLACEMENT CARRIED OUT AND S/B No. 77A001 CARRIED ^{OUT} BY PILOTS. FOUND 'SATIS'. P/N: 365P67-4002-00 (NEW) P/N: 365P67-4007 (OLD)			MD176/2003	F.O.C		 <i>[Signature]</i> 10/06/03
3	WONG 10/6/03	TO REFUEL TWO DRUMS OF JET A1 FUEL.	TWO DRUMS OF JET A1 REFUELLED TO AIRCRAFT.				1		Wong A1720 10/6/03

THE WORK RECORDED ABOVE HAS BEEN CARRIED OUT IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS FOR THE TIME BEING IN FORCE AND IN THAT RESPECT THE AIRCRAFT/ EQUIPMENT IS CONSIDERED FIT FOR RELEASE TO SERVICE:

- SINGAPORE AIR NAVIGATION ORDER
- MALAYSIAN CIVIL AVIATION REGULATIONS
- JAR 145 NO : F-04E
- MANUFACTURER'S PUBLICATIONS
- _____

AWM/024/01 #32

TRANSLATION (in case of difficulty, refer to French text)

TELEGRAPHIC AIRWORTHINESS DIRECTIVE RELEASED BY DIRECTION GENERALE DE L'AVIATION CIVILE(FRANCE).

THIS TEXT IS NOT SENT TO FOREIGN OPERATORS OF AIRCRAFT NON REGISTERED IN FRANCE. IT IS UP TO THE NATIONAL AUTHORITIES TO FORWARD IT TO THEM ON RECEIPT.

N° T2003-196(A) – EUROCOPTER – EC 155 helicopters

SUBJECT: Engine governing – Red "GOV" warning lights (ATA 77)

1. EFFECTIVITY

EC 155 B Helicopters

Note : This Airworthiness Directive (AD) is aimed at pilots and maintenance crews.

2. REASON

This AD is issued following the detection of operating anomalies affecting the red "GOV" warning light.

3. MANDATORY ACTIONS AND COMPLIANCE TIME

The following measures are made mandatory from the effective date of this AD:

Before the next flight, check the engine governing warning system for correct operation in compliance with § 2.B.1 of the referenced Eurocopter Alert Service Bulletin (ASB). Then according to the results:

1. If the red warning lights illuminate correctly, the electrical circuit meets the requirements and the flights can be resumed.
2. If crosses illuminate in the place of red "GOV" warning lights on the caution advisory display panel, the front panel of the caution advisory display does not meet the requirements and must be replaced no later than within 2 months.

Until replacement of the caution advisory display front panel, use the procedure described in § 2.B.2 of the referenced ASB, in addition of the instructions given in the Flight Manual.

3. If operation is not in compliance with the requirements specified in the points above, the aircraft wiring must be brought up to standard before resuming flights.

REF.: Alert Service Bulletin EUROCOPTER EC 155 n° 77A001.

EFFECTIVE DATE: On receipt.



IMPORTANT INFORMATION

AIRCRAFT: EC 155

Civil Version: B

ATA: 77

SUBJECT: ENGINE INDICATING

Non-operation of the Red "GOV" Warning Lights After Embodiment of Modifications to the "Engine Emergency Governing System" Installation Provisions.

Dear Customer,

Please find appended Revision 0 of Alert Service Bulletin No. 77A001.

This issue, available in French and English only, is sent by e-mail and fax in order to inform you as rapidly as possible, given the required compliance time limits.

The normal issue will be sent out by express mail in the next few days.

ALERT SERVICE BULLETIN

No. 77A001

SUBJECT: ENGINE INDICATING
Non-operation of the Red "GOV" Warning Lights After Embodiment of Modifications to the "Engine Emergency Governing System" Installation Provisions

LIST OF APPROVED REVISIONS	REVISION No. 0 APPROVED
Not applicable	Date: May 07, 2003

CAUTION

**THE INFORMATION CONTAINED IN THIS ALERT
SERVICE BULLETIN IS INTENDED FOR
MAINTENANCE PERSONNEL AND CREWS**

1. PLANNING INFORMATION

1.A. EFFECTIVITY

1.A.1. Helicopters: EC155 version B helicopters.

1.A.2. Component(s) affected: The front panel of the red warning light caution advisory display and the electrical circuits of the engine governing system.

1.B. ASSOCIATED REQUIREMENTS

Not applicable.

1.C. REASON

The purpose of this ALERT SERVICE BULLETIN, which will form the subject of an Airworthiness Directive, is to check the red "GOV" warning lights and the electrical circuits of the engine emergency governing system for correct operation.

1.D. DESCRIPTION

Following some lay-ups and changes performed in the aircraft electrical power systems of EC 155B helicopters in order to pre-wire the engine emergency governing system installation, some operating anomalies affecting the red "GOV" warning lights have been detected after returning the aircraft to flight configuration.

In order to eliminate these anomalies, EUROCOPTER renders the operational checks of the red "GOV" warning lights and of the related electrical circuits mandatory.

1.E. COMPLIANCE

EUROCOPTER renders compliance with this ALERT SERVICE BULLETIN mandatory.

1.E.1. At the works:

1.E.1.a. On aircraft: Not applicable.

1.E.1.b. On spares: Not applicable.

1.E.2. Retrofit action: By the operator.

1.E.2.a. On aircraft: Before the next flight, check the engine governing warning system for correct operation in compliance with paragraph 2.B.1., then according to the result:

- 1) If the red warning lights illuminate correctly, the check is finished. The electrical circuit meets the requirements. Resume flights.
- 2) If crosses illuminate in the place of the "GOV" warning lights on the caution advisory display panel, the front panel of the caution advisory display does not meet the requirements. It must therefore be replaced. To perform the replacement, please contact EUROCOPTER:

Service STMDA
Mme CARDIN Véronique
FAX: +33.(0)4.42.85.99.55
TEL: +33.(0)4.42.85.97.07

If the front panel cannot be replaced immediately, in addition to the instructions given in the Flight Manual, comply with paragraph 2.B.2. until replacement of the caution advisory display front panel, which must be performed no later than within the next 2 months. Maintain this procedure in the Flight Manual until the front panel of the caution advisory display is replaced.

- 3) If operation is not in compliance with the requirements specified in the points above, the aircraft wiring must be brought up to standard before resuming flights. For repair of the electrical harness, contact EUROCOPTER:

Service STMDA
Mme CARDIN Véronique
FAX: +33.(0)4.42.85.99.55
TEL: +33.(0)4.42.85.97.07

1.E.2.b. On spares: Not applicable.

1.F. APPROVAL

Approval is limited to civil version helicopters subject to an Airworthiness Certificate.

The technical information contained in this ALERT SERVICE BULLETIN was approved on May 07, 2003 under the authority of DGAC Design Organisation Approval No. F.JA01.

1.G. MANPOWER

Qualification: 1 pilot.
Time: Approximately 15 minutes.

1.H. WEIGHT AND BALANCE

Weight: Not applicable.
Moment: Not applicable.

1.I. EFFECT ON ELECTRICAL LOADS

Not applicable.

1.J. SOFTWARE MODIFICATION EMBODIMENT STATE

Not applicable.

1.K. REFERENCES

Flight Manual Section 3.2.2.

1.L. OTHER DOCUMENTS CONCERNED

Not applicable.

1.M. INTERCHANGEABILITY AND MIXABILITY OF PARTS

Not applicable.

2. ACCOMPLISHMENT INSTRUCTIONS

2.A. GENERAL

Not applicable.

2.B. OPERATIONAL PROCEDURE

2.B.1. Operational check of the engine governor warning system.

On ground run-up, with both engines running:

- Check that the red "GOV1" warning light on the caution advisory display panel and the related indicator light of the engine No. 1 switch on the overhead panel come on when you operate the Engine No. 1 NORMAL/BACK UP or AUTO/MANU governing mode selector.
- Set the selector back to the NORMAL or to the AUTO position and close the cover.
- Perform the same check on engine No. 2.

2.B.2. Complement to the Flight Manual procedures

In the event of simultaneous illumination of a red cross on the upper line of the caution advisory panel and the red master warning light and arming of the "30-second OEI" mode:

- . Select the "OEI" limit suited to the current flight configuration. Refer to Flight Manual Section 3.2.2. "GOV# Procedures".
- . Identify the illuminated warning light on the overhead panel (engine No. 1 or engine No. 2).
- . Confirm that the parameters of the engine corresponding to the lit indicator light on the overhead panel are frozen.
- . Once the engine with the faulty FADEC is identified, apply the "GOV#" procedure described in Flight Manual Section 3.2.2.

2.C. IDENTIFICATION

Record compliance with this ALERT SERVICE BULLETIN in the aircraft documents.

2.D. OPERATING AND MAINTENANCE INSTRUCTIONS

Flight Manual Section 3.2.2. "GOV# Procedures".

3. MATERIAL INFORMATION

3.A. MATERIAL – COST – AVAILABILITY

For all information, contact the Customer Support Sales Department.

3.B. INFORMATION CONCERNING INDUSTRIAL SUPPORT

Not applicable.

3.C. MATERIAL REQUIRED FOR EACH AIRCRAFT, ENGINE/COMPONENTS

After you have contacted EUROCOPTER as stated in paragraph 2.B, order in accordance with paragraph 3.G.

3.D. MATERIAL REQUIRED FOR EACH SPARE PART

Not applicable.

3.E. RE-IDENTIFIED PARTS

Not applicable.

3.F. TOOLING – COST – AVAILABILITY

Not applicable.



3.G. PROCUREMENT CONDITIONS

Order the required quantity

from

EUROCOPTER
Etablissement de Marignane
Direction VENTES Service Client
S.C.
13725 MARIGNANE CEDEX
FRANCE

NOTE 1

*For ALERT SERVICE BULLETINS, order by:
Telex: HELICOP 410 969F
Fax: +33 (0)4 42 85 99 96*

NOTE 2

*On the purchase order, please specify the mode of transport,
the destination and the serial numbers of the aircraft to be
modified.*

4. APPENDIX

Not applicable.

CAUTION PANEL LABEL

NEW, P/N: 365P67-4002-00

Qty: M0176/2003

OLD, P/N: 365P67-4007