

A/C TYPE EC155B
 A/C REGN 9M-SAS S/N 6583
 TYPE OF CHECK _____



EUROCOPTER SOUTH EAST ASIA PTE LTD
 48 Loyang Way Singapore 508740
 Company Registration No.: 197702516C

NO: **20656** 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.	STEWLAY	COMPLY WITH SL 1755-00-06 - SVG-LTR MANUAL	NOTED - INFO. MAINT. & FLT CREWS VIA E-MAIL (REF. CIR #162/2007) ON 04-05-07						3 DCA A1465 6-6-07
2.	STEWLAY	COMPLY WITH SL 1825-32-07 - LDG GEAR - OVERHEATING OF WHEEL BRAKES	NOTED - INFO. MAINT. & FLT CREWS VIA E-MAIL (REF. CIR #163/2007) ON 04-05-07						3 DCA A1465 6-6-07
3.	STEWLAY	COMPLY WITH AD EV-2007-0099 - MAIN & TR SERVVO-CTRLS (REF. ASB 6TA010)	N/A DUE TO SERVVO-CTRL P/N SCT291 S/N 026 INSTALLED NOT LISTED IN PARA 1A1 OF ASB 6TA010						3 DCA A1465 6-6-07

CERTIFIES THAT THE WORK SPECIFIED EXCEPT AS OTHERWISE SPECIFIED WAS CARRIED OUT IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS AND IN RESPECT TO THAT WORK THE AIRCRAFT/AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE:

- SAR-145 & SINGAPORE ANO
 EASA PART-145: EASA.145.0056

- MALAYSIAN CIVIL AVIATION REGULATIONS
 MANUFACTURER'S PUBLICATIONS

CRS # 206-6



DIFFUSION/ISSUE
AUSGABE/PUBLICACION

Q G

Service à la Clientèle
Direction Technique Support

Lettre-Service

No. 1755-00-06

13725 Marignane Cedex - France
Tél. + 33 (0) 4 42.85.85.85 - Fax. + 33 (0) 4.42.85.99.66
Télex HELIC 420506
Télégramme : EUROCOPTER Marignane

Marignane, ~~31.03.2006~~
14.03.2007

SUBJECT:

GENERAL: Service-Letter Manual

For the attention of

332	B	B1	M	M1	F1	C	C1	L	L1	L2
532	UL	AL	SC	AC	UC	A2	U2	UE		
EC225	LP									
EC725	AP									

350	D	B	B1	B2	B3	BA	BB	L1
550	U2	C2	C3	A2				
355	E	F	F1	F2	N			
555	MN	UN	SN	UF	AF	AN		
EC130	B4							

360	C												
365	C	C1	C2	C3	N	N1	N2	N3	K	F	Fs	Fi	
366	G1	Ga											
565	SA	SB	UB	MA	MB	AA							
EC155	B	B1											

EC120	B
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321	Ja	Ga	Gb	Gc
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330	Sm	Ba	Ea	C	Ca	H	L	F	G	J	S1	JM	B
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341	B	C	D	E	F	G	H
342	J	K	L	L1	M	M1	

AL II	3130	313B		
AL II ASTAZOU	3180	318B	318C	
AL III	3160	316B	316C	319B
LAMA	315B			

Dear Customer,

Please find enclosed the second Service Letter Manual CD-ROM edition dated 2007.01.01.

EUROCOPTER has made the following improvements:

- Concerning the form: More user-friendly CD-ROM interface
- Concerning the content: The table of contents has been deleted as it is not very useful.

The "PILOT" column is changed to "FOR THE ATTENTION OF".

The introduction contains additional information concerning the content of the "DELIVERABLE AS FROM NEW" and "FOR THE ATTENTION OF" columns.

EUROCOPTER reminds you that, along with each Service Letter issued during the current year, you will receive:

- The index page concerned
- The cover page

The CD-ROM will be updated every year.

The Service Letters are also available from T.I.P.I. (www.eurocopter.com/).

For any questions concerning this Manual, please contact:

EUROCOPTER
Support Technique Opérations
Service Information/Directive
Fax: (33) 04.42.85.99.46
E-mail: directive.technical-support@eurocopter.com

Yours sincerely,

M. SOULHIARD



Product Support Integrity

CRS #20656



DIFFUSION/ISSUE
AUSGABE/PUBLICACION

T R

Service à la Clientèle
Direction Technique Support

Lettre-Service

No. 1825-32-07

13725 Marignane Cedex - France
Tél. + 33 (0) 4 42.85.85.85 - Fax. + 33 (0) 4.42.85.99.66
Télex HELIC 420506
Télégramme : EUROCOPTER Marignane

Marignane, 18.04.2007

SUBJECT:

LANDING GEAR: Overheating of wheel brakes.

For the attention of



365	C	C1	C2	C3	N	N1	N2	N3	K	F	Fa	Fi
565	SA	SB	UB	MA	MB	AA						
EC155	B	B1										

Dear Customer,

We have received reports from customers concerning several unexplained cases of wheel brake overheating which have led to the deterioration of brake disks. The purpose of this Service Letter is to remind you of the existing preventive measures defined in the documentation and to describe the additional steps to be taken if a similar incident occurs in order to determine the cause.

Numbers of the Work Cards to be complied with:

Paragraph in the Service Letter	EC155	Dauphin - Panther
2.1 ; 3.2.1	32.40.00.211	32.40.00.601
3.2.2	32.40.00.213	32.40.00.602
2.1 ; 3.2.3	32.40.03.211	32.40.00.606
2.1 ; 3.3	32.40.05.721	32.40.00.501

1. Reminder of the Flight Manual recommendations to be complied with during landing phases:

- 1.1. Steer the helicopter using the pedal unit, without using the brakes.
- 1.2. Do not brake at speeds above 35 knots except in an emergency.

2. Reminder of and changes to the maintenance scheduled in the Maintenance Manual (PRE,...):

- 2.1. In normal atmospheric conditions, check the brakes in accordance with the specified intervals.
- 2.2. For damp or dusty conditions, the following procedure will be added to the Maintenance Program:
Every 7 days:

- 2.2.1. Rinse the main landing gear and brake units with clean fresh water at a pressure of less than 2 bars.
- 2.2.2. Blast with filtered and de-oiled compressed air, mainly between the brake disks.

3. If an incident is detected:

Pending the creation of a specific Work Card, please comply with the following recommendations if a malfunction is detected in the braking system. A malfunction can include the failure of the braking function or seizure and overheating possibly leading to the deterioration of one or both wheel brakes.

3.1. Draft and send a report to EUROCOPTER (EST department) describing:

- The operating conditions (flight parameters) at the time of the incident.
- The findings on the main landing gear units: refer to paragraph 3.2.
- The recorded pressure measurements: refer to paragraph 3.3.
- The usual operating conditions of the helicopter (type of mission), specifying the specific taxiing phases: distance, speed, change of direction while taxiing, towing, run-on landings, and a diagram of the usual ground maneuvers (turns, straight lines,...).
- The circumstances in which the incident was discovered: problem reported by the pilot or a scheduled maintenance operation, and give an account of the phenomena experienced by the crew.

3.2. Check, quantify and locate any deterioration affecting:

- 3.2.1. The wheels and tires.
- 3.2.2. The brakes.
- 3.2.3. The brake disks.

3.3. Measure and record the pressures for each brake unit (P_g = pressure recorded on the LH side, P_d = pressure recorded on the RH side, P_n = nominal pressure according to modifications embodied on the helicopter).

3.3.1. Measure the residual pressures (without applying the brakes):

- 3.3.1.1. If $P_g = P_d = 0$ bar → comply with paragraph 3.3.2.
- 3.3.1.2. If $P_g = P_d \neq 0$ bar → check and measure the adjustment of the parking brake control at the ball end-fitting, then comply with paragraph 3.3.2. without modifying the adjustment of the end-fitting.

3.3.2. Measure the pressures while applying the parking brake:

- 3.3.2.1. If $P_g \neq P_d$ (difference of $\geq 20\%$) or if $P_g = P_d = P_n$ but there is damage on one side only → remove and send the braking distributor for examination in addition to the other parts.
- 3.3.2.2. If $P_g = P_d = P_n$ and there is damage on both brake units → the braking relay can be kept in service.

3.4. Return the two brake units and the two main L/G tires to EUROCOPTER (EST department) for examination.


3.5. Return the installation to its original configuration.

Yours sincerely,

M. SOULHIARD



Product Support Integrity

EASA	AIRWORTHINESS DIRECTIVE																
	<p>AD No.: 2007- 0099</p> <p>Date: 11 April 2007</p>																
<p>No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.</p>																	
<p>Type Approval Holder's Name :</p> <p>EUROCOPTER</p>	<p>Type/Model designation(s):</p> <p>AS 332, SA 365 N, AS 365 N, SA 366, EC 155, AS 355, EC 130 and AS 350 helicopters.</p>																
<p>TCDS Number: EASA.R.002, DGAC FRANCE 159, EASA.R.146 and EASA.R.008.</p>																	
<p>Foreign AD: Not applicable.</p>																	
<p>Supersedure: Not applicable.</p>																	
ATA 67	Rotors Flight Control – Main & Tail Rotors Servo-Controls – Inspection/Modification																
<p>Manufacturer(s):</p>	<p>EUROCOPTER (Formerly EUROCOPTER - FRANCE,AEROSPATIALE).</p>																
<p>Applicability:</p>	<p>- AS 332 C, C1, L, L1 and L2, - SA 365 N and N1, AS 365 N2 and N3, SA 366 G1, EC 155 B and B1, - AS 355 F, F1, F2 and N, and - EC 130 B4, AS 350 B3,</p> <p>EUROCOPTER helicopters, all serial numbers (s/n) that are equipped with main and tail rotor GOODRICH servo-controls without the letter "R" marked in the inspection box of the servo-control identification plate, and whose part numbers (p/n) and s/n are listed in paragraph 1.A. of the relevant EUROCOPTER Alert Service Bulletin (ASB) in table 1 below.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">For</th> <th style="text-align: center;">Refer to</th> </tr> </thead> <tbody> <tr> <td>AS 332</td> <td>AS 332 ASB No. 67.00.37</td> </tr> <tr> <td>AS 365 & SA 365</td> <td>AS 365 ASB No. 67.00.13</td> </tr> <tr> <td>SA 366</td> <td>SA 366 ASB No. 67.08</td> </tr> <tr> <td>EC 155 EC</td> <td>155 ASB No. 67A010</td> </tr> <tr> <td>AS 355</td> <td>AS 355 ASB No. 67.00.28</td> </tr> <tr> <td>EC 130</td> <td>EC 130 ASB No. 67A010</td> </tr> <tr> <td>AS 350</td> <td>AS 350 ASB No. 67.00.40</td> </tr> </tbody> </table> <p style="text-align: center;">Table 1</p>	For	Refer to	AS 332	AS 332 ASB No. 67.00.37	AS 365 & SA 365	AS 365 ASB No. 67.00.13	SA 366	SA 366 ASB No. 67.08	EC 155 EC	155 ASB No. 67A010	AS 355	AS 355 ASB No. 67.00.28	EC 130	EC 130 ASB No. 67A010	AS 350	AS 350 ASB No. 67.00.40
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Reason:	<p>This Airworthiness Directive (AD) is issued following a manufacturing nonconformity found on one batch of servo-control cap p/n. 800137.</p> <p>With a defective servo-control, rotation of the distributor might not be stopped mechanically since only friction of inner seals holds the distributor sleeve in its position.</p> <p>If not corrected this condition could cause untimely movements of servocontrols, which are used on main and anti-torque rotors, and lead to the loss of control of the helicopter.</p> <p>The aim of this AD is to identify the defective servo-controls either in service or on shelf and to return them to the supplier so as to be modified and returned to conformity.</p>
Effective Date:	25 April 2007.
Compliance:	<ol style="list-style-type: none"> 1. Within 2 months from the effective date of the present AD, check for identification the servo controls installed on helicopters and on the shelves, with reference to the paragraph (§) 1.A of the applicable Eurocopter ASB given in table 1. 2. At the latest on the next removal of the servo-controls not to exceed 2 years from the effective date of this AD, return the identified defective servo-controls per the § 1. of this AD, as instructed in the accomplishment instructions of the applicable Eurocopter ASB given in table 1. 3. As of 25 April 2009, no person shall install servo controls whose p/n and s/n are listed in the applicable Eurocopter ASB given in table 1. on any Eurocopter helicopters unless they have been previously returned to conformity to be compliant with the relevant Eurocopter ASB given in table 1.
Ref. Publications:	<p>EUROCOPTER AS 332 Alert Service Bulletin No. 67.00.37. AS 365 ASB No. 67.00.13. SA 366 ASB No. 67.08. EC 155 ASB No. 67A010. AS 355 ASB No. 67.00.28. EC 130 ASB No. 67A010. AS 350 ASB No. 67.00.40.</p> <p>or later approved revisions.</p>
Remarks:	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated the responsible EASA manager for the related product has the authority to accept Alternative Methods of Compliance (AMOCs) for this AD. 2. This AD was posted as PAD 07-035 for consultation on 07 March 2007 with a comment period until 04 April 2007. No comments were received during the consultation period. 3. Enquiries regarding this Airworthiness Directive should be referred to the AD Focal Point - Certification Directorate, EASA. E-mail: ADs@easa.europa.eu . 4. For any question concerning the technical content of the requirements in this AD, please contact: EUROCOPTER Aéroport de Marseille Provence 13725 Marignane Cedex - France. Tel.: 33 (0) 4 42 85 97 97, Fax: 33 (0) 4 42 85 99 66. E-mail: Directive.technical-support@eurocopter.com