



## 適航指令發布單

### Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2021-11-020	發布日期 Date issued	2021/11/26
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	SA 365 N, SA 365 N1, AS 365 N2, AS 365 N3, EC 155 B and EC 155 B1 helicopters, all serial numbers (s/n); and AS 355 E, AS 355 F, AS 355 F1 and AS 355 F2 helicopters, all s/n.		
主旨摘要	Power Plant - Cowlings - Inspection / Repainting		
民航局 CAA <input type="checkbox"/> 本國產品 Native products <input type="checkbox"/> 其他個案 Other	設計國民航主管機構 Original Authorities <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> FAA  <input checked="" type="checkbox"/> EASA  <input type="checkbox"/> Brazil  <input type="checkbox"/> Transport Canada Civil Aviation  <input type="checkbox"/> DGAC             </div> <div style="width: 48%;"> <input type="checkbox"/> Germany LBA  <input type="checkbox"/> CAA-NL  <input type="checkbox"/> UK CAA  <input type="checkbox"/> Japan CAB  <input type="checkbox"/> CAA of Israel  <input type="checkbox"/> Other _____             </div> </div>		
	設計國 AD 編號 Original AD number	2021-0265	
	1. 直接採用原 AD 之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ 2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No)		
備註 Note	ATA 07. Ref. Publications: AH ASB AS365-53.00.65 original issue dated 27 October 2021. and AH ASB EC155-53A040 original issue dated 27 October 2021. and AH ASB AS355-53.00.38 original issue dated 27 October 2021.		
註： 1. AD 內容後附。 2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。 3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a> Note： 1. The AD text is enclosed. 2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval. 3. For further information, please contact Civil Aeronautics Administration on Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a>			



## Airworthiness Directive

**AD No.:** 2021-0265

**Issued:** 23 November 2021

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

### Design Approval Holder's Name:

AIRBUS HELICOPTERS

### Type/Model designation(s):

AS 355, SA 365, AS 365 and EC 155 helicopters

**Effective Date:** 07 December 2021

**TCDS Number(s):** EASA.R.105 and EASA.R.146

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA 71 – Power Plant – Cowlings – Inspection / Repainting

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#### Manufacturer(s):

Airbus Helicopters (AH), formerly Eurocopter, Eurocopter France, Aerospatiale, Sud Aviation.

#### Applicability:

SA 365 N, SA 365 N1, AS 365 N2, AS 365 N3, EC 155 B and EC 155 B1 helicopters, all serial numbers (s/n); and

AS 355 E, AS 355 F, AS 355 F1 and AS 355 F2 helicopters, all s/n.

#### Definitions:

For the purpose of this AD, the following definitions apply:

**The applicable ASB:** Airbus Helicopters (AH) Alert Service Bulletin (ASB) AS365-53.00.65, ASB EC155-53A040 or ASB AS355-53.00.38, as applicable.

**Affected part:** Engine upper fixed cowlings, having Part Number (P/N) 355A58-0513-XX or P/N 365A58-1012-XX, where XX represents any number.



**Serviceable part:** An affected part that has passed an inspection (no finish paint found) in accordance with the instructions of paragraph 3.B of the applicable ASB, as defined in this AD; or an affected part that has been repainted (with primer layer only) and re-identified (old P/N + applicable ASB number) in accordance with the instructions of paragraph 3.B and 3.C of the applicable ASB; or an affected part that is evidenced to have been delivered after 27 October 2021.

#### Reason:

Following investigation of an engine compartment fire, AH found that some internal parts of the engine fixed cowling were painted with finish paint on top of the primer layer.

This condition, if not detected and corrected, could lead to fire propagation in case of exposure to high temperatures, possibly resulting in damage to the helicopter and injury to occupants.

To address this potential unsafe condition, AH issued the applicable ASB, as defined in this AD, to provide inspection instructions for the engine fixed cowlings.

For the reasons described above, this AD requires a one-time inspection of each affected part to detect finish paint on top of the primer layer, and, depending on findings, accomplishment of a repair (repainting with primer layer only), or replacement of the affected part with a serviceable part, as defined in this AD.

#### Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

#### Inspection(s):

- (1) Within the compliance time as specified in Table 1 of this AD, as applicable, or within 6 months, whichever occurs first after the effective date of this AD, inspect each affected part in accordance with the instructions of paragraph 3.B of the applicable ASB.

Table 1 – Inspection

Helicopter Models	Compliance Time
SA 365 N, SA 365 N1, AS 365 N2, AS 365 N3, EC 155 B and EC 155 B1	Within 110 flight hours (FH)
AS 355 E, AS 355 F, AS 355 F1 and AS 355 F2	Within 165 FH

#### Corrective Action(s):

- (2) If, during the inspection as required by paragraph (1) of this AD, finish paint is found inside an affected part, within 6 months after that inspection, repaint (with primer layer only) that affected part or replace it with a serviceable part in accordance with the instructions of paragraph 3.B of the applicable ASB.

#### Parts Installation:

- (3) From the effective date of this AD, it is allowed to install an affected part on any helicopter, provided it is a serviceable part, as defined in this AD.



**Ref. Publications:**

AH ASB AS365-53.00.65 original issue dated 27 October 2021.

AH ASB EC155-53A040 original issue dated 27 October 2021.

AH ASB AS355-53.00.38 original issue dated 27 October 2021.

The use of later approved revisions of the above-mentioned documents is acceptable for compliance with the requirements of this AD.

**Remarks:**

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. This AD was posted on 02 November 2021 as PAD 21-161 for consultation until 16 November 2021. The Comment Response Document can be found in the [EASA Safety Publications Tool](#), in the compressed (zipped) file attached to the record for this AD.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.
5. For any question concerning the technical content of the requirements in this AD, please contact: Airbus Helicopters (Technical Support)  
Web portal: <https://airbusworld.helicopters.airbus.com> > Technical Requests Management, or  
E-mail: [support.technical-airframe.ah@airbus.com](mailto:support.technical-airframe.ah@airbus.com), and  
[TechnicalSupport.Helicopters@airbus.com](mailto:TechnicalSupport.Helicopters@airbus.com).

