

EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE
	PAD No.: 15-094 Date: 22 July 2015 Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.
In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below. All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.	
Design Approval Holder's Name: TURBOMECA	Type/Model designation(s): ARRIEL 2 Engines
TCDS Number:	EASA.E.001
Foreign AD:	Not applicable
Supersedure:	None
ATA 72	Engine – Torque Conformation Box – Check
Manufacturer(s):	Turboméca S.A.
Applicability:	Arriel 2C, 2C1, 2C2, 2S1 and 2S2 engines, all serial numbers equipped with Turboméca modification TU 34 – “Torque conformation box, increase of resistance to temperature”. These engines are known to be installed on, but not limited to, Airbus Helicopters AS 365 N3, EC155 B/B1 and Sikorsky S-76C+, S76C++ helicopters.
Reason:	Several cases of torque conformation box failures have been reported. Investigation concluded that these failures were caused by cracks on soldered joints of torque conformation box resistors. This condition, if not corrected, could lead to limited power availability in a One Engine Inoperative (OEI) case, possibly resulting in reduced control of the helicopter. To address this unsafe condition, Turboméca issued Mandatory Service Bulletin (MSB) 292 72 2860 version A providing instructions for torque conformation box checks. For the reasons described above, this AD requires repetitive torque conformation box checks on affected engines and, depending on findings, replacement of the torque conformation box with a serviceable one.
Effective Date:	[TBD: 14 days after final AD issue date]

Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Within 600 engine flight hours (EH), or 6 months, whichever occurs first after the effective date of this AD, and, thereafter, at intervals not to exceed 600 EH, accomplish a torque conformation check (comprising two torque conformation box resistance values check) in accordance with the instructions of Turboméca MSB 292 72 2860 version A. Note: A non-cumulative tolerance of 10% may be applied to the compliance times specified in paragraph (1) of this AD to allow synchronization of the required inspections with other maintenance tasks for which a non-cumulative tolerance is already granted in the applicable Engine Maintenance Manual. (2) If, during any check as required by paragraph (1) of this AD, any discrepancy is identified, before next flight, replace the affected torque conformation box with a serviceable one in accordance with the instructions of Turboméca MSB 292 72 2860 version A. (3) Replacement of the torque conformation box on an engine with a serviceable one does not constitute terminating action for the repetitive checks required by paragraph (1) of this AD for that engine.
Ref. Publications:	Turboméca MSB 292 72 2860 version A dated 15 July 2015. The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.
Remarks:	1. This Proposed AD will be closed for consultation on 19 August 2015. 2. Enquiries regarding this PAD should be referred to the Safety Information Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 3. For any question concerning the technical content of the requirements in this PAD, please contact: Turboméca S.A., ARRIEL 2 Customer Support 40220 Tarnos, France Fax: +33 5 59 74 45 15, or your usual or nearest TURBOMECA technical representative (refer to http://www.turbomeca-support.com).