

EASA	AIRWORTHINESS DIRECTIVE	
	AD No.: 2006-0283 Date: 14 September 2006	
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.		
Type Approval Holder's Name:		Type/Model designation(s):
ATR		ATR 42 and ATR 72 Aircraft
TCDS Number: EASA A.084		
Foreign AD: Not applicable.		
Supersede: Not applicable.		
ATA 24	Electrical Power – 120 VU Electrical Harness – Inspection	
Manufacturer(s):	ATR, (formerly AEROSPATIALE – AERITALIA, AEROSPATIALE – ALENIA, AEROSPATIALE ATR – ALENIA, EADS ATR – ALENIA)	
Applicability:	ATR 42-200, -300, -320, -400, -500, all serial numbers up to MSN 643 inclusive. ATR 72-101, -102, -201, -202, -211, -212, -212A, all serial numbers up to MSN 728 inclusive, except MSN 723 and 725.	
Reason:	Recently an ATR 42 suffered electrical arcing, causing the loss of some instruments and loss of one hydraulic circuit pressure due to a chafing between a bonding cable and electrical wires in the 120 VU. The investigations showed that: • A tubular support had been deformed and therefore impaired the spacing among electrical harness, supports and cables; • Harness was not correctly attached; • The size of the harness was increased by addition of cables (for Service Bulletins (SB) or customer modifications embodiments); • The bonding cable was not correctly installed. This Airworthiness Directive mandates an inspection of the ATR 42 & 72 fleet to identify and correct possible similar cases, which could lead to an unsafe condition.	

Effective Date:	28 September 2006
Compliance:	Before December 31 st , 2006, inspect the harness installation in the 120 VU and, if necessary, restore the conformity to the approved design, in accordance with the instructions given by Service Bulletin (SB) ATR42-92-0012 (for ATR 42 models) or SB ATR72-92-1013 (for ATR 72 models).
Ref. Publications:	ATR SB ATR42-92-0012 or SB ATR72-92-1013, as applicable, or later approved revisions.
Remarks:	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 06-202 for consultation on 07 August 2006 with a comment period until 18 August 2006. No comments were received during the consultation period. 3. Enquiries regarding this Airworthiness Directive should be referred to the Airworthiness Directive 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: ATR, Didier CAILHOL – Fax: +33 (0) 5 62 21 67 18 or E-mail: continued.airworthiness@atr.fr