

PŘÍKAZ K ZACHOVÁNÍ LETOVÉ ZPŮSOBILOSTI

CAA-AD-032/2002

Datum vydání: 05. března 2002

LETOUN - ELEKTROPANEL 90VU (ATA 92) - MODIFIKACE

Týká se: letadel ATR 42-400 a -500, na kterých byla provedena ATR modifikace č. 1447 a na letadlech, na kterých nebyla provedena ATR modifikace č. 4840.

Datum účinnosti: 18. dubna 2002

Provést v termínech: Jak je popsáno v DGAC AD 2002-090-092(B), od data účinnosti tohoto PZZ.

Postup provedení prací: Dle DGAC AD 2002-090-092(B) (příloha tohoto PZZ).

Poznámky: Provedení tohoto PZZ musí být zapsáno do letadlové knihy. Případné dotazy týkající se tohoto PZZ adresujte na ÚCL sekce technická - Ing. Stibůrek. Pokud to vyžaduje povaha tohoto PZZ, musí být zapracován do příslušné části dokumentace pro obsluhu, údržbu a opravy letadla. Tento PZZ byl vypracován na základě DGAC AD 2002-090-092(B).

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DGAC AD No.: 2002-090-092(B)

ATR
ATR 42 aircraft

Electrical rack 90VU-Wire bundle routing on 93, 94 and 95VU carbon shelves (ATA 92)

1. APPLICABILITY:

ATR 42-400 and -500 model aircraft on which ATR modification 1447 has been embodied and ATR modification 4840 has not been accomplished.

2. REASONS:

This Airworthiness Directive (AD) is prompted by a recent event involving an ATR 42-500, where, after having left the parking with the RH engine, the crew tried to start without success the LH engine.

Investigations revealed that on electrical rack 90VU, a chafing had occurred between the carbon structure of the 95VU shelf and the main wire bundle. This chafing led to a short circuit, which caused burnt damage on several wires of the bundle (including LH engine ignition circuits) and on the protective sheath. It was determined that the chafing and subsequent electrical short circuit were most likely caused by a miss positioning of the bundle on the shelf during a maintenance action. This created a direct contact between the bundle and the carbon shelf (abrasive structure). This event is also possible on shelves 93VU and 94VU.

The following corrective actions mandated by this AD is intended to warrant a securely retain of the involved wire bundle in order to prevent a chafing which could cause a short circuit and potential loss of several functions.

3. COMPLIANCE:

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

Before reaching 500 FH since the effective date of this AD and no later than September 01, 2002, install a fixing device

between the wire bundles and the carbon shelves structure according to the instructions given in Service Bulletin ATR 42-92-0007.

REF.: Service Bulletin ATR 42-92-0007

Any later approved revision of this SB is acceptable.

EFFECTIVE DATE: MARCH 02, 2002