

# AIRWORTHINESS DIRECTIVE

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*Inspection and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive.*

Translation of 'Consigne de Navigabilité' ref. : 2001-505-059(B)  
In case of any difficulty, reference should be made to the French original issue.

## ATR

### ATR 72 aircraft

Hydraulic pump power supply cables routing (ATA 92)

#### 1. APPLICABILITY:

ATR 72 -101, -102, -201, -202, -211, -212 and 212A model aircraft on which ATR modification 5297 has not been embodied in production (or Service Bulletin (SB) ATR 72-92-1006 in service).

#### 2. REASONS:

On December 2<sup>d</sup>, 2000, an ATR 72-212A experienced a blue hydraulic circuit loss during landing. This failure is the result of an electrical short-circuit between blue hydraulic pump power supply cables and steering hydraulic pipe located between frames 23C and 23D, under floor panels. Fire departure was also found.

Although a specific quality problem during cables installation on line is suspected to be the root cause of the event, the investigation made has concluded to a non-respect of the certification requirements for the electrical cables routing and for a need of a specific device in this area, in order to avoid a risk of interference and chafing.

The actions mandated by the present Airworthiness Directive (AD) are intended to restore the correct electrical cables routing in order to prevent their chafing, which could cause a short-circuit and failure of the blue hydraulic system.

#### 3. ACTIONS:

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

Within 12 months following the effective date of this AD, install the electrical cables protection device in compliance with SB ATR 72-92-1006.

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REF.: Service Bulletin ATR 72-92-1006  
Any later approved revision is acceptable.

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**EFFECTIVE DATE : OCTOBER 27, 2001**

n/GH

October 17, 2001

ATR  
ATR 72 aircraft

2001-505-059(B)