

# 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. : 2001-214-084(B)  
In case of any difficulty, reference should be made to the French original issue.

## EADS ATR

### ATR 42 aircraft

Propeller feathering - ATPCS test selector switch (ATA 24, 61)

#### 1. APPLICABILITY:

ATR 42-200, -300, -320, -400 and -500 aircraft models fitted with IPP JANCO ATPCS test selector switch P/N ACE 0002.

**Note :** The aircraft having received the embodiment of modification 5162 and on which no replacement of ATPCS test selector switch was performed afterwards, are not involved.

#### 2. REASONS:

Several cases of dual engine power drop, during ground manoeuvres, with the associated bss of both ACW and main hydraulic power were reported on ATR aircraft fleet over the last two years. Investigation revealed abnormal wear of contact surfaces within the IPP JANCO ATPCS test selector switch P/N ACE 0002. The discovered wear is suspected to have caused a shorting of contacts and the subsequent NP cancels experienced. Each time, the ATPCS test selector switch replacement cleared the malfunction.

It has been determined that this failure mode can occur only in NP governing mode, during taxiing or landing, and neither during take-off, when power is applied, nor in flight, due to the different governing mode applicable during these operating phases.

Nevertheless, this failure mode might contribute to increase the flight crew workload during ground manoeuvres.

The actions made mandatory by this Airworthiness Directive (AD) are intended to prevent a dual engine power drop during ground manoeuvres which could result in reduced aircraft controllability.

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n/GH

May 30, 2001

EADS ATR  
ATR 42 aircraft

2001-214-084(B)

**3. ACTIONS:**

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

At the first opportunity and, at the latest, within 5 years following the effective date of this AD, remove the IPP JANCO ATPCS test selector switch P/N ACE 0002 fitted on panel 114VU (FIN 22KF) and replace it by IEC Electronique test selector switch P/N 097-037-00.

From June 09, 2006, the IPP JANCO ATPCS test selector switch P/N ACE 0002 are prohibited in service and must be withdrawn from stock.

**Note:** ATR Illustrated Parts Catalogue (chapter 61-22-80) has been revised accordingly to cover P/N 097-037-00 as the only source for ATPCS test selector switch.

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**EFFECTIVE DATE : JUNE 09, 2001**