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| <b>Bundesamt für Zivilluftfahrt (BAZL)</b><br><b>Office fédéral de l'aviation civile (OFAC)</b><br><b>Ufficio federale dell'aviazione civile (UFAC)</b><br><b>Federal Office for Civil Aviation (FOCA)</b><br>Maulbeerstrasse 9 CH-3003 Berne Switzerland | Lufttüchtigkeitsanweisung (LTA)<br>Consigne de Navigabilité (CN)<br>Prescrizione di Aeronavigabilità (PA)<br>Airworthiness Directive (AD) | FOCA AD<br><br><b>HB 2001-628</b> |
| Inkraftsetzung<br>Mise en vigueur<br>Entrata in vigore<br>Effective Date  | <b>PILATUS - PC-9</b><br>FOCA TC/TCDS No.: F 56-22<br>ATA 72  |                                   |

**TITLE:** **PILATUS AIRCRAFT LTD. – PC-9  
ENGINE – ACCESSORY GEARBOX COUPLING SHAFT-LOCKBALL MECHANISM**

**APPLICABILITY:** PILATUS AIRCRAFT LTD.  
Model PC-9, PC-9/A, PC-9/B and PC-9/F airplanes, Manufacturer Serial Numbers (MSN) 001 thru MSN 567 with Pratt & Whitney Canada PT6A-62 Engines with Serial Numbers which are before and include Serial No. PCE-PL0074 and Serial No. PCE-103001 thru PCE-103248.

**EFFECTIVE DATE:** 15 November 2001

**REASON:**

This Airworthiness Directive (AD) is prompted by an instance of in-flight engine shut down. It has been found that the lockball mechanism of the engine accessory-gearbox coupling shaft can be installed incorrectly at assembly. If the ball bearing of the lockball mechanism in the engine accessory gearbox is missing, it is possible that it has become a loose foreign object in the accessory gearbox. This could cause damage to the accessory gearbox and is thus a possible cause of in-flight engine shut down.

In order to correct the condition described this Airworthiness Directive requires an inspection to make sure that the lockball mechanism is correctly engaged.

**COMPLIANCE:** ( Required as indicated, unless already accomplished )

**(a) Required within the next 25 hours time-in-service (TIS) after the effective date of this AD;**


- (1) Inspect lockball mechanism of the engine accessory-gearbox coupling shaft for proper engagement as specified in and in accordance with the Accomplishment Instructions of PILATUS PC-9 Bulletin No. 72-001, dated October 16, 2001 or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).

**(b) Spare Engines:**

- (1) As of the effective date of this AD, no person shall install any Pratt & Whitney Canada PT6A-62 Engines with Serial Numbers which are before and include Serial No. PCE-PL0074 and Serial No. PCE-103001 thru PCE-103248, on any Model PILATUS PC-9, PC-9/A, PC-9/B or PC-9/F airplane, unless the engine has been inspected as specified in and in accordance with PILATUS PC-9 Bulletin No. 72-001, dated October 16, 2001 or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).

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| Rechtsmittelbelehrung<br>Voies de droit<br>Rimedi giuridici<br>Right to appeal | siehe TM Nr.<br>voir CT no.<br>vedi CT no.<br>see CT no. | <b>02.020-80</b> | Seite<br>Page<br>Pagina<br>Page | <b>1</b> | von<br>de<br>di<br>of | <b>2</b> |
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| FOCA AD<br><br><b>HB 2001-628</b> | <b>Lufttüchtigkeitsanweisung (LTA)</b><br><b>Consigne de Navigabilité (CN)</b><br><b>Prescrizione di Aeronavigabilità (PA)</b><br><b>Airworthiness Directive (AD)</b> |  | <b>BAZL Schweiz</b><br><b>OFAC Suisse</b><br><b>UFAC Svizzera</b><br><b>FOCA Switzerland</b> |
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**REF. PUBLICATIONS:**

- PILATUS PC-9 Bulletin No. 72-001, dated October 16, 2001 or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).

The applicable manufacturer's documentation may be obtained directly from:

**PILATUS AIRCRAFT LTD**

CUSTOMER LIAISON MANAGER  
CH-6371 STANS , Switzerland

TEL No.: +41 41 619 6509 (Government)  
FAX No.: +41 41 610 3351

**FOR FURTHER INFORMATION CONTACT:**

FEDERAL OFFICE FOR CIVIL AVIATION (FOCA)  
Type Certification (MZ)  
Maulbeerstrasse 9  
CH-3003 BERNE, Switzerland

FAX No.: +41 31 325 8051 (or)  
FAX No.: +41 31 322 5918

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