



AIRWORTHINESS BULLETIN

PT6A Series Engines
FAA PMA(T-10240-01)
Compressor Turbine (CT) Blades

AWB 72-005 **Issue :** 1
Date : 28 January 2011

1. Effectivity

All Pratt & Whitney Canada (PWC) PT6A Series engines fitted with FAA PMA Compressor Turbine (CT) Blades.

2. Purpose

To advise registered operators and maintainers of the potential incorrect use of FAA PMA T-102401-01 CT Blades within certain PT6A engine variants and to raise awareness of the restrictions placed on the use of these Blades.

3. Background

A preliminary investigation carried out by the Australian Transport Safety Bureau (ATSB) into a PT6A engine failure due to CT Blade failure, has uncovered incorrect use of FAA PMA CT Blades. The PMA Part Number T-102401-01 Blades are an alternate to P&WC Part Number 3102401-01, but only for particular engine variants. CT Blade failures have occurred, on PT6A-114A and PT6A-34AG engines which are **not eligible** for the PMA part T-102401-01.

4. Recommendations

Registered operators and maintainers of PWC PT6A engines review the engine log books and technical data to ensure that if PMA blades are installed either individually or as a set, that the engine variant is listed on the FAA PMA eligibility list.

5. Reporting

To assist the on-going investigation, report instances of ineligible fitment of FAA PMA blades to CASA via the SDR system.

6. Enquiries

Enquiries with regard to the content of this Airworthiness Bulletin should be made via the direct link e-mail address:

AirworthinessBulletin@casa.gov.au

or in writing, to:

Airworthiness & Engineering Branch
Civil Aviation Safety Authority
GPO Box 2005, Canberra, ACT, 2601