



AIRWORTHINESS DIRECTIVE

This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) with ADs.

Number:

CF-2025-66

Effective Date:

19 December 2025

ATA:

72

Type Certificate:

E-10

Subject:

Engine – Compressor Turbine (CT) Disk Assembly – Unsubstantiated CT Disk Part Number (P/N) in Engine Technical Publications

Applicability:

Pratt & Whitney Canada (P&WC) engine model PT6T-3, all serial numbers.

Compliance:

As indicated below, unless already accomplished.

Background:

P&WC was recently notified of an error in the published data for the PT6T-3 engine model: a CT Disk P/N was erroneously introduced in both Service Bulletin (SB) PT6T-72-5440 Revision 0, dated May 24, 2000 and the Illustrated Parts Catalogue (IPC) Revision 36, dated March 9, 2001 for this engine model.

The CT Disk P/N 3024211 is a life-limited part, and although it can be physically installed on the PT6T-3 engine model under certain conditions, it is not listed in the Rotor Component Service Life SB PT6T-72-5002 for said model and as such does not have published life limits for it. This condition, if not corrected, could lead to failure of the compressor turbine disk and damage to the engine and aeroplane.

To date, Transport Canada is not aware of any reports of this P/N actually installed on any PT6T-3 model engine.

To address this potential unsafe condition, P&WC has released PT6T-3 IPC 72-50-02 Revision 69.0, dated September 1, 2025, and SB PT6T-72-5440 Revision 1, dated August 20, 2025, revising the effectivity code and model applicability to align with P&WC SB PT6T-72-5002 Revision 24, dated July 7, 2021. P&WC has also published SB PT6T-72-5586 Revision 1, dated September 30, 2025, to inspect the technical records and replace the CT Disk P/N 3024211, if it is installed

This AD requires confirmation of the CT Disk P/N installed on all PT6T-3 engine models, and correction if required to ensure the Airworthiness Limitations (AWL) requirements listed in SB PT6T-72-5002 Revision 24, dated July 7, 2021 are met.

Corrective Actions:

Within 100 hours air time or 6 months from the effective date of this AD, whichever occurs first, remove CT Disk P/N 3024211 if installed. A review of technical records is considered an acceptable means of verification.

- a. If P/N 3024211 is installed on the PT6T-3 engine, remove and replace the CT Disk in accordance with the Accomplishment Instructions of P&WC SB PT6T-72-5586 paragraph 3.B, Revision 1, dated September 30, 2025, prior to further flight.
- b. As of the effective date of this AD, the installation of P/N 3024211 is prohibited on PT6T-3 engine models.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 5 December 2025

Contact:

Cheryl Burtles, Continuing Airworthiness, Ottawa, telephone 1-888-663-3639, or e-mail TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca or any Transport Canada Centre.