



Corrected: The PW2143 model was incorrectly listed as PW2146 throughout the AD. This copy has been corrected, and we will issue a correction to the Federal Register.

2014-05-32 Pratt & Whitney: Amendment 39-17804 Docket No. FAA-2013-0740; Directorate Identifier 2013-NE-24-AD.

(a) Effective Date

This AD is effective May 5, 2014.

(b) Affected ADs

None.

(c) Applicability

This AD applies to all Pratt & Whitney (PW) PW2037, PW2037D, PW2037M, PW2040, PW2040D, PW2043, PW2143, PW2240, PW2337, PW2643, and F117-PW-100 turbofan engines.

(d) Unsafe Condition

This AD was prompted by a rupture of the diffuser-to-high-pressure turbine (HPT) case flange. We are issuing this AD to prevent failure of the diffuser-to-HPT case flange, which could lead to uncontained engine failure and damage to the airplane.

(e) Compliance

Unless already done, comply with this AD within the compliance times specified.

(1) For diffuser case part number (P/N) 1B7461, serial numbers (S/Ns) DGGUAK1306 and DGGUAK1308, and HPT case P/N 1B2440, S/N DKLBCS1032:

(i) Within 100 flight cycles or 30 days after the effective date of this AD, whichever is later, eddy current inspect (ECI) the diffuser case and the HPT case M-flange. Use PW Service Bulletin (SB) No. PW2000 72-763, Revision 1, dated August 30, 2013, to do the inspection.

(ii) Reserved.

(2) For all diffuser and HPT cases at the next piece part opportunity and every piece part opportunity thereafter, perform a high sensitivity fluorescent-penetrant inspection (FPI) of the entire diffuser case rear flange (M-flange) and bolt holes, and the entire HPT case forward flange (M-flange) and bolt holes.

(f) Optional Terminating Action

As a terminating action to the repetitive inspection requirements of this AD, you may insert the repetitive inspection requirement identified in paragraph (e)(2) of this AD into the required inspection portion of your continuous airworthiness maintenance program.

(g) Definition

For the purpose of this AD, piece part opportunity is defined as when the part is completely disassembled.

(h) Prohibition Statement

After the effective date of this AD, do not install any engine with a diffuser or HPT case onto any airplane that was not inspected using paragraph (e) of this AD.

(i) Credit for Previous Actions

If you performed an ECI of the diffuser case and HPT case M-flange using the Accomplishment Instructions of PW SB No. PW2000 72-763, dated March 22, 2013, or you performed a high sensitivity FPI of the diffuser case and HPT case at the piece part opportunity after January 1, 2010, you met the requirements of paragraph (e)(1) of this AD.

(j) Alternative Methods of Compliance (AMOCs)

The Manager, Engine Certification Office, FAA, may approve AMOCs for this AD. Use the procedures found in 14 CFR 39.19 to make your request.

(k) Related Information

(1) For more information about this AD, contact Mark Riley, Aerospace Engineer, Engine Certification Office, FAA, Engine & Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803; phone: 781-238-7758; fax: 781-238-7199; email: mark.riley@faa.gov.

(2) Pratt & Whitney Engine Manual, P/N 1A6231, (PW2000) and P/N 1B2412 (F117), Chapter 72-41-00, Inspection/Check-02, (Task 72-41-00-230-002) and Chapter 72-52-00, Inspection/Check-02 (Task 72-52-00-230-000), which are not incorporated by reference in this AD, can be obtained from Pratt & Whitney, using the contact information in paragraph (l)(3) of this AD.

(l) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless the AD specifies otherwise.

(i) Pratt & Whitney Service Bulletin No. PW2000 72-763, Revision 1, dated August 30, 2013.

(ii) Reserved

(3) For PW service information identified in this AD, contact Pratt & Whitney, 400 Main St., East Hartford, CT 06108; phone: 860-565-8770; fax: 860-565-4503.

(4) You may view this service information at the FAA, Engine & Propeller Directorate, 12 New England Executive Park, Burlington, MA. For information on the availability of this material at the FAA, call 781-238-7125.

(5) You may view this service information at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts, on March 6, 2014.
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