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**SL 106
SL 079/57-001
FAA SAIB CE-19-09 – Wing Miscellaneous Structure**

NOTE

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**MU-2**

SERVICE LETTER

MITSUBISHI HEAVY INDUSTRIES, LTD.
NAGOYA AEROSPACE SYSTEMS WORKS
10 OYE-CHO, MINATO-KU, NAGOYA, JAPAN

JCAB T.C.: No. 106

DATE: June 21, 2019

FAA T.C.: No. 079/57-001

SUBJECT: FAA SAIB CE-19-09 – Wing Miscellaneous Structure

MODELS AFFECTED: MU-2B-20/-25/-26/-26A/-40/-30/-35/-36/-36A/-60 Airplanes

Mitsubishi Heavy Industries, Ltd. (MHI) released MU-2 Service Bulletins No. 245 (A2PC), dated April 21, 2016 and No. 107/57-005 (A10SW), dated May 3, 2016 for a fluorescent penetrant inspection of the wing spacer plates at wing station 580 for cracks and replacement of the spacer plate(s) with improved part(s) if cracks are found.

The Japan Civil Aviation Bureau (JCAB) released Japanese Airworthiness Directive No. TCD-8783-2016, dated June 28, 2016, which mandates compliance with MHI Service Bulletin No. 245 for aircraft type certificated as A2PC. The Federal Aviation Administration (FAA) issued a Notice of Proposed Rulemaking (NPRM) on September 16, 2016 proposing the release of an FAA Airworthiness Directive (AD) mandating compliance with MHI Service Bulletins No. 245 and No. 107/57-005, as applicable by type certificate, for airplanes operating with United States registrations ("N" numbered airplanes). On February 28, 2019, the FAA withdrew the NPRM for the release of the FAA AD. In lieu of issuing an AD, the FAA has issued Special Airworthiness Information Bulletin (SAIB) CE-19-09, dated June 10, 2019.

This Service Letter is issued to ensure that all MU-2 owners and operators are aware of the release of the attached FAA SAIB) CE-19-09 recommending compliance with the MHI Service Bulletins. MHI recommends a thorough review of the FAA SAIB. For any questions regarding MHI Service Bulletins, please contact MHIA at the following contact information:

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FAA
Aviation Safety

SPECIAL AIRWORTHINESS INFORMATION BULLETIN

SAIB: CE-19-09

Date: June 10, 2019

SUBJ: Wing Miscellaneous Structure

This is information only. Recommendations aren't mandatory.

Introduction

This Special Airworthiness Information Bulletin (SAIB) informs registered owners/operators of an airworthiness concern for **Mitsubishi Heavy Industries Ltd. (MHI), Models MU-2B, MU-2B-10, MU-2B-15, MU-2B-20, MU-2B-25, MU-2B-26, MU-2B-26A, MU-2B-30, MU-2B-35, MU-2B-36, MU-2B-36A, MU-2B-40, and MU-2B-60 airplanes.** Specifically, this SAIB notifies owners and operators of procedures to detect and correct cracks in the wing spacer plates, which if left uncorrected, could result in reduced structural integrity of the wings.

At this time, the airworthiness concern is not an unsafe condition that would warrant airworthiness directive (AD) action under Title 14 of the Code of Federal Regulations (14 CFR) part 39.

Background

As part of the MHI MU-2B aging aircraft program, one-piece and three-piece main wings were subjected to detailed teardown inspections, and cracks were found in the wing spacer plates attached to the forward lower spar area at wing station 580. It was determined that the cracks resulted from fatigue caused by flight loads.

To address this, MHI issued MU-2 Service Bulletin No. 245, dated April 21, 2016, and MU-2 Service Bulletin No. 107/57-005, dated May 3, 2016. These service bulletins describe procedures for doing a fluorescent penetrant inspection of the wing spacer plates for cracks and replacing cracked wing spacer plates with an improved part

Recommendations

The FAA recommends that owners and operators perform the fluorescent penetrant inspections detailed in the Section 1 Inspection Procedure of MU-2 Service Bulletin No. 245, dated April 21, 2016, or Service Bulletin No. 107/57-005, dated May 3, 2016, as applicable.

In the event cracks are found and subsequent maintenance is performed in the area of the wing spacer plate that allows for access to the wing spacer plate, the FAA recommends that owners and operators replace the wing spacer plates. Instructions for replacement should be performed in accordance with the Section 2 Replacement Procedure detailed in MU-2 Service Bulletin No. 245, dated April 21, 2016, or Service Bulletin No. 107/57-005, dated May 3, 2016 as applicable.

For Further Information Contact

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