

MANDATORY SERVICE BULLETIN**NUMBER:** SB-034**REVISION:** 00**DATE:** 12/09/2010**SUBJECT:** FATIGUE; AFT FUSELAGE CANTED FRAME SHEAR CLIP INSTALLATION**EFFECTIVITY:**

KODIAK 100 Series Aircraft Serial Numbers:

• **100-0001 through 100-0005***Prior to reaching 5,000 flight hours contact Quest Aircraft to schedule the following:*

1. Replace part 100-240-2011 with part 100-240-2015
2. Install Doubler per Service Bulletin (**SB-028 Fatigue; Aft Fuselage Rivet Inspection**)
3. Install shear clip per Field Service Instruction (**FSI-019 AFT Fuselage ; Canted Frame Shear Clip Installation**). **SB-028** must be complied with prior to or completed concurrently with **FSI-019**.

• **100-0006 through 100-0036***Prior to reaching 1,000 flight hours accomplish the following:*

1. Install doubler per Service Bulletin (**SB-028 Fatigue; Aft Fuselage Rivet Inspection**)

Prior to reaching 1,250 flight hours accomplish the following:

2. Install shear clip per Field Service Instruction (**FSI-019 AFT Fuselage; Canted Frame Shear Clip Installation**). **SB-028** must be complied with prior to or completed concurrently with **FSI-019**.

• **100-0037 through 100-0046***Prior to reaching 1,250 flight hours accomplish the following:*

1. Install shear clip per Field Service Instructions (**FSI-019 AFT Fuselage; Canted Frame Shear Clip Installation**).

SUMMARY:

During recent KODIAK fatigue testing, a shear clip has been shown necessary to improve the fatigue characteristics of the canted bulkhead and associated structure. This Service Bulletin outlines a structural modification to be completed in accordance with the compliance time frame listed below. A Field Service Kit (**FSI-019, AFT FUSELAGE Canted Frame Shear Clip Installation**) will be supplied at no charge from Quest Aircraft. Contact Quest Aircraft Customer Service for kit availability.

ACTION:

Quest Aircraft Company LLC mandates the installation of a canted frame shear clip in the AFT fuselage in accordance with **FSI-019 (AFT FUSELAGE Canted Frame Shear Clip Installation)**.

FAA APPROVED:

The resultant alteration to the AFT fuselage described in Field Service Instructions (**FSI-019 AFT Fuselage; Canted Frame Shear Clip Installation**) has shown compliance with the applicable Federal Aviation Regulations and is FAA Approved.

COMPLIANCE:

This Service Bulletin may be complied with as convenient for the owner/operator but must be completed prior to exceeding the airframe hours listed in this Service Bulletin. Service Bulletin (**SB-028 FATIGUE; AFT Fuselage Rivet Inspection**) must be complied with prior to, or be completed in concurrence with this Service Bulletin.

INDUSTRY SUPPORT INFORMATION:

N/A

WEIGHT AND BALANCE:

Negligible

Quest Aircraft Company, LLC
© Copyright 2010
All Rights Reserved

No part of this document may be reproduced, copied, transmitted, disseminated, downloaded or stored in any storage medium, for any purpose without the express prior written consent of Quest Aircraft Company, LLC.

MANDATORY SERVICE BULLETIN**NUMBER:** SB-034**REVISION:** 00**DATE:** 12/09/2010**SUBJECT:** FATIGUE; AFT FUSELAGE CANTED FRAME SHEAR CLIP INSTALLATION**CREDIT and WARRANTY INFORMATION:**

Quest Aircraft Company LLC will reimburse for the cost of this modification up to \$150.00 for aircraft still under Factory Warranty. For reimbursement, send Quest Aircraft Company LLC a copy of the maintenance records recording the completion of the work performed along with the N-number or foreign registration number and total time of the aircraft on which the modification was accomplished. Send the information to the attention of:

Quest Customer Service**Service Notification Compliance Feedback****1200 Turbine Dr.****Sandpoint ID, 83864****COMPLETION:**

Update the Airframe Log Book with compliance to SB-034 by the installation of canted frame shear clip and doubler (as required) in accordance with the instructions in Field Service Instruction (**FSI-009 AFT FUSELAGE DOUBLER INSTALLATION**).

ACCOMPLISHMENT INSTRUCTIONS:

Refer to FSI-019 (*Canted Frame Shear Clip Installation*).

MANPOWER:

The instructions contained in Field Service Instruction (**FSI-019 AFT FUSELAGE; CANTED FRAME SHEAR CLIP INSTALLATION**) will take approximately:

- 2 hours (for canted frame shear clip installation)

MANDATORY SERVICE BULLETIN***MANDATORY SERVICE BULLETIN***