

MANDATORY SERVICE BULLETIN

NUMBER: SB-020
REVISION: A
DATE: 10/16/2009

SUBJECT: FUSELAGE; MISSING FASTENERS

SUMMARY

RECURRENT REQUIREMENTS

No recurrent requirements associated with this Mandatory Service Bulletin.

BACKGROUND / ACTION

Quest is mandating a one-time inspection of the ceiling in the forward cabin. The inspection is to identify whether 6 fasteners are present in the forward cabin. If the fasteners are present, no action is needed. If the fasteners are not present, the fasteners will need to be installed following the directions contained in this Service Notification.

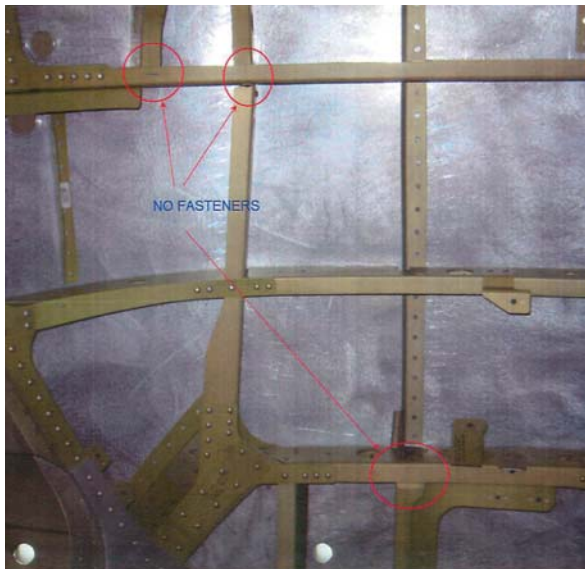
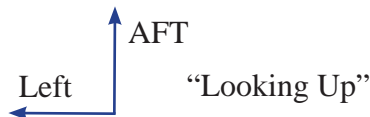


Figure 1: No Fasteners



EFFECTIVITY

KODIAK 100 Series Aircraft,
Serial Numbers 100-0001 through 100-0014

AFFECTED PARTS

KODIAK PART AFFECTED:

- 100-210-1503 *Frame*
- 100-210-1504 *Frame*
- 100-210-1401 *Frame*
- 100-616-3083-01 *Frame*
- 100-616-3083-02 *Frame*
- 100-210-3012-01 *Frame*
- 100-210-3012-02 *Frame*
- 100-210-3010-01 *Frame*
- 100-210-3010-02 *Frame*

ADDED PARTS FOR AIRCRAFT RECORDS:

- CR3213-4 (x2)
- CR3213-5 (x4)

COMPLIANCE

This Mandatory Service Bulletin must be completed no later than the next 100 flight hours or next annual inspection, whichever comes first.

INDUSTRY SUPPORT INFORMATION

None

MANPOWER

This procedure will take approximately 3 hours to complete.

COMPLETION

Update the KODIAK Maintenance Log Books.

WARRANTY INFORMATION

This modification is warranty reimbursable for the manpower listed above after Quest Aircraft has been notified of your completion.

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IMPORTANT SERVICE BULLETIN

FUSELAGE; Missing Fasteners

FIELD RETROFIT INSTRUCTIONS

1.1 Overview

This document provides instructions on how to install fasteners in the correct locations.

Estimated Time to Complete: 3 hours

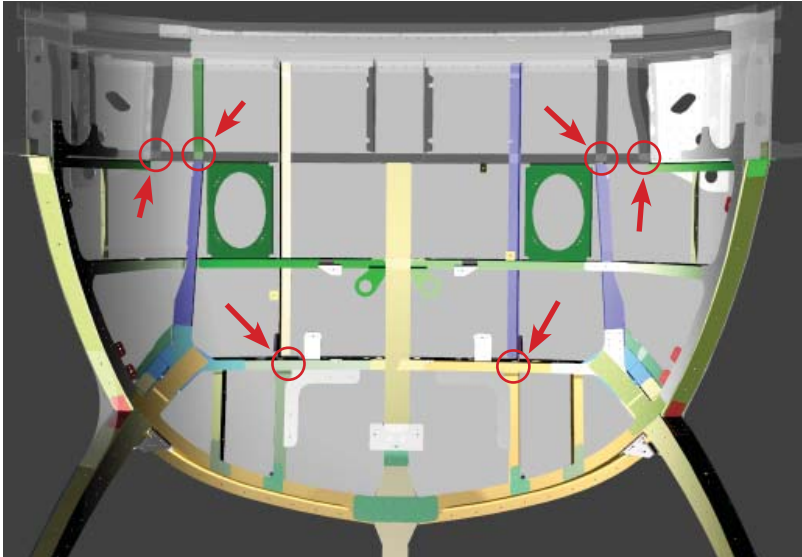

Parts Included in the Service Kit:

Part Number	Description	Quantity
	SERVICE BULLETIN AND WORK INSTRUCTIONS	1

Tools Required:

Tool Name	Tool Duty
#30 Drill Bit	Removal of Fasteners
Drill	Removal of Fasteners
Cherry Max Puller	Installation of Fasteners
Pliers	As Needed for Buck Tail Removal

Fuselage; Missing Fasteners

Task	Instruction
1	Remove the PSU ducts, and the forward Center Ceiling Panels (2) over the crew doors, in accordance with the KODIAK Maintenance Manual.
2	<p data-bbox="180 926 634 978">Locate the areas in the cabin ceiling indicated in Figure 1.</p> <p data-bbox="706 512 789 537">Figure 1</p>  <p data-bbox="740 1104 862 1192"></p> <p data-bbox="732 1192 878 1241">Perspective of Illustration</p>

Fuselage; Missing Fasteners

Task

Instruction

3

Remove fasteners in clips that hold the curtain track, as needed, to gain access to locations indicated in **Figure 2**.

NOTE: To eliminate the possibility of damage and for ease of clean up of the buck tails, remove the speakers.

Figure 2



Perspective of Illustration



Figure 3



Perspective of Illustration

Fuselage; Missing Fasteners

Task	Instruction
<p>4</p>	<p>Install fasteners (P/N CR3213-5) in the four AFT locations and fasteners (P/N CR3213-4) in the two FWD locations indicated in Figure 1. For fasteners (P/N CR3213-5) hole diameter must be dimensioned at 0.159 - 0.164 with a minimum edge distance of .300. For fasteners (P/N CR3213-4) hole diameter must be dimensioned at 0.129 - 0.134 with a minimum edge distance of .250. Figure 4 and Figure 5 illustrate the completed installation.</p> <p>Note: Fasteners shown in Figure 5 are Solid Rivets.</p> <div data-bbox="711 199 1469 940"> <p>Fastener (P/N CR3213-4)</p> <p>Figure 4</p> <p>Will be Fasteners (P/N CR3213-5)</p> <p>Figure 5</p> </div>
<p>5</p>	<p>Reinstall the curtain track (and speaker if removed) using provided fasteners (P/N CR3213-4).</p>
<p>6</p>	<p>Reinstall the cabin ceiling panels according to the KODIAK 100 Maintenance Manual.</p>
<p>7</p>	<p>Note the work performed in the KODIAK 100 Log Books.</p>