

MANDATORY SERVICE BULLETIN**NUMBER:** SB-005**DATE:** 2/17/2009**SUBJECT:** FUSELAGE; Mandatory Inspection**SUMMARY****RECURRENT REQUIREMENTS**

No recurrent requirements associated with this Mandatory Service Bulletin.

BACKGROUND

The KODIAK 100 is designed with a number of 3/16" drain holes in the aft underside portion of the aircraft. One of these drain holes is located in the center of the aft end of the floor. When on level ground, the KODIAK sits slightly nose-up so that this drain hole allows any fluids to flow to the aft portion of the fuselage and drain from the aircraft. Quest recommends all KODIAK operators inspect this drain hole for the following:

- a. Ensure the hole is present
- b. Ensure the hole is not obstructed

If the drain hole is not present, follow the instructions included in this Service Bulletin to create the drain hole.

ACTION

Inspect the aft underside of the aircraft to ensure the drain hole is present and not obstructed. If the drain hole is not present, follow the instructions in this manual to create the drain hole. If work is needed, update the KODIAK Maintenance Log Books and inform Quest Customer Service of your findings.

EFFECTIVITY

Serial Numbers 0001 through 0009

AFFECTED PARTS

KODIAK PART AFFECTED:

- N/A

REPLACEMENT PART FOR AIRCRAFT RECORDS:

- N/A

COMPLIANCE

This Mandatory Service Bulletin needs to be completed at next scheduled maintenance interval or annual service, whichever occurs first.

INDUSTRY SUPPORT INFORMATION

None

MANPOWER

If a drain hole needs to be made, the instructions contained in this Service Bulletin will take 30 minutes to complete.

COMPLETION

If work is needed, update the KODIAK Maintenance Log Books and inform Quest Customer Service of your findings.

WARRANTY INFORMATION

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

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MANDATORY SERVICE BULLETIN

**SB-005 Mandatory Fuselage Inspection; Drain
Hole**

INSPECTION INSTRUCTIONS

1.1 Overview

This Document Provides instructions to inspect the Aft underside drain hole. If the drain hole is not present, follow the work instructions in this document to drill a 3/16" drain hole.

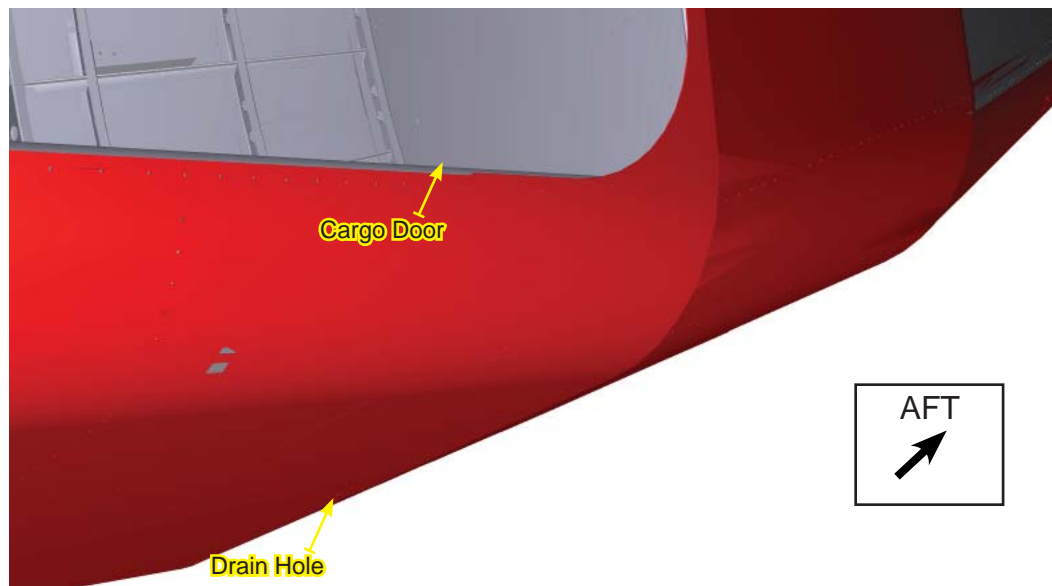
Estimated Time to Complete: 30 Minutes if drain hole needed.

1.2 Parts Included in the Service Kit:

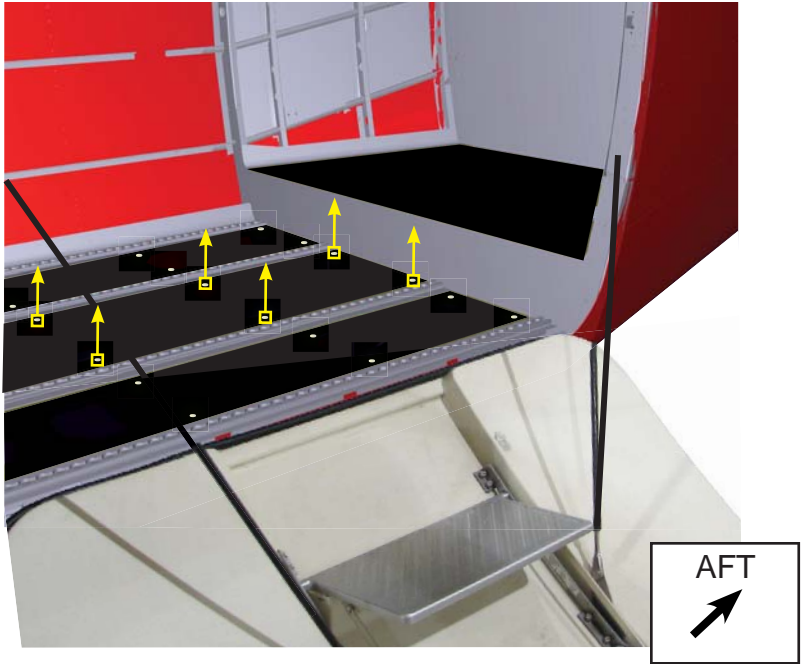
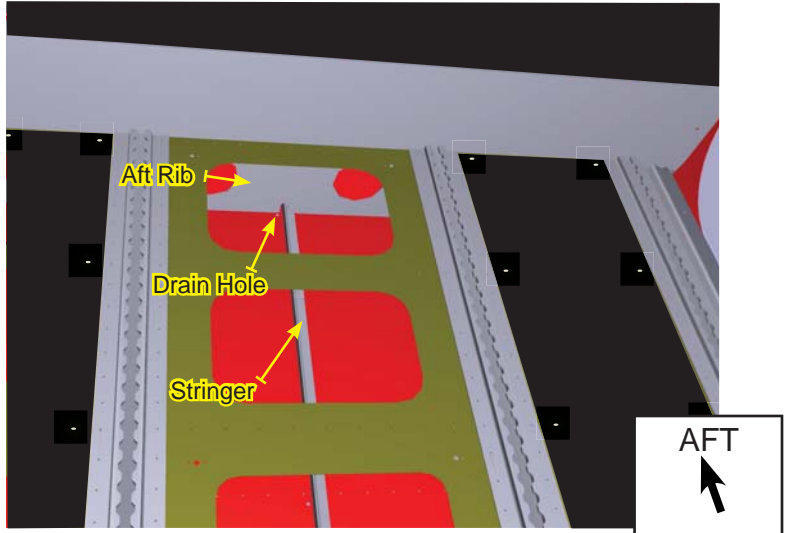
| Part Number | Description | Quantity |
|-------------|---|----------|
| SB-005 | SERVICE BULLETIN AND REPLACEMENT INSTRUCTIONS | 1 |
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1.3 Tools Required (if drain hole needed):

| Tool Name | Tool Duty |
|------------------------------|--|
| Phillips #2 Screwdriver | Remove the cargo flooring center section. |
| 3/16" Drill Bit | Drill the drain hole. |
| Alodine Corrosion Protectant | Remove and install the potentiometer knob. |
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DRAIN HOLE INSPECTION / INSTRUCTIONS

| Task | Instruction | Visual |
|------|---|--|
| 1 | Ensure the Jack Stand is installed and open the Cargo Door. | |
| 2 | With a # 2 Phillips Screw Driver, remove the 8 screws that attach the aft center floor panel to the aircraft. After removing the screws, remove the floor panel to gain access to the floor of the aircraft. |  |
| 3 | Locate the center stringer (easily identified by the row of rivets traveling forward and aft) and the aft edge of the bay. Inspect for a drain hole. If hole is present, no further action required. Re-install the flooring and log the work in the KODIAK Maintenance Manual. If a hole is not present, continue to Step 4 . |  |
| 4 | If no hole is present, using a ruler and a marker, measure 3/4 inch forward of the aft rib and 3/4 inch left (while facing aft) of the stringer. Mark the position. | |
| 5 | Using a 3/16" inch drill bit, drill a hole at the mark made in Step 3 . After drilling the hole, coat the hole with Alodine for corrosion protection. Reinstall the flooring and log the work in the KODIAK Maintenance Manual. | -- End of Instructions -- |