

**\*MANDATORY SERVICE BULLETIN\***

**NUMBER:** SB-014 Revision A

**DATE:** 7/17/09

**SUBJECT:** FUEL SYSTEM; DOUBLER RING SCREW INSPECTION

**SUMMARY**

**RECURRENT REQUIREMENTS**

No recurrent requirements associated with this Mandatory Service Bulletin.

**BACKGROUND**

Quest is requiring a one time inspection on the Fuel Doubler Plate (P/N 100-828-4431) to ensure that the correct length of screw (P/N MS24694S52) is installed.

**ACTION**

Extract one of the three screws that hold the Fuel Doubler Plate in place and ensure that it is a MS24694S52. If it is a MS24694S50, replace it with the correct sized screw.

**EFFECTIVITY**

KODIAK 100 Series Aircraft, Serial Numbers 100-0011 through 100-0017.

**AFFECTED PARTS**

KODIAK PART AFFECTED:

- P/N 100-828-4431

REPLACEMENT PART FOR AIRCRAFT RECORDS:

- P/N MS24694S52 x3 (If needed)

**COMPLIANCE**

This Mandatory Service Bulletin must be completed at the earliest convenience, not to exceed the next 100 hour inspection.

**INDUSTRY SUPPORT INFORMATION**

None

**MANPOWER**

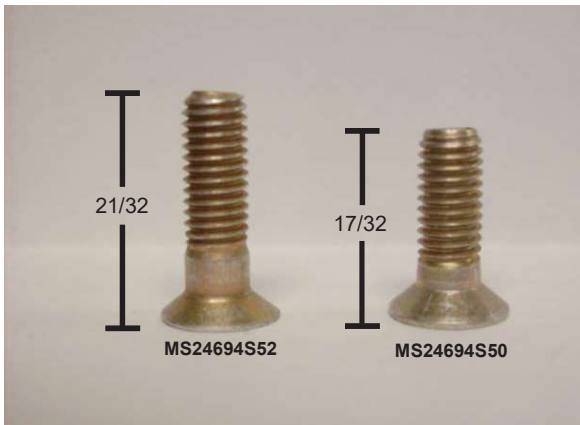
This procedure will take approximately 30 minutes to complete and can be completed with one person.

**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.



**Figure 1:** MS24694S52 and MS24694S50 screws.

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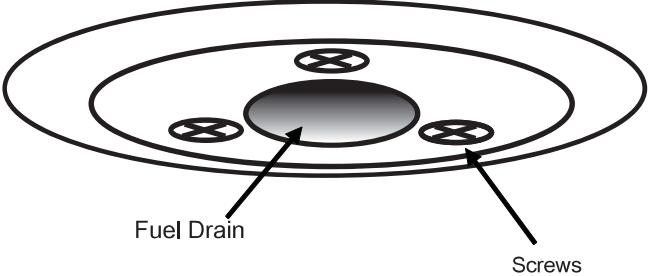
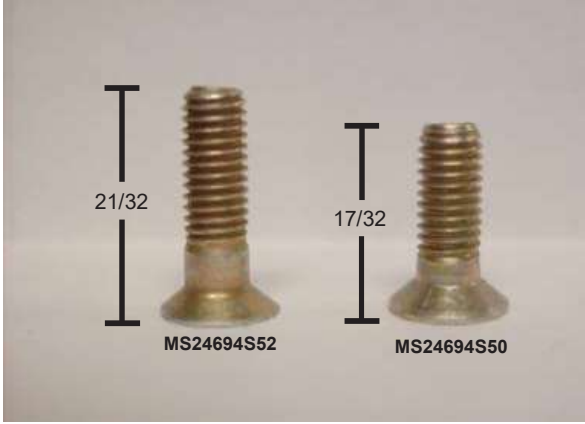


**\*IMPORTANT SERVICE BULLETIN\***

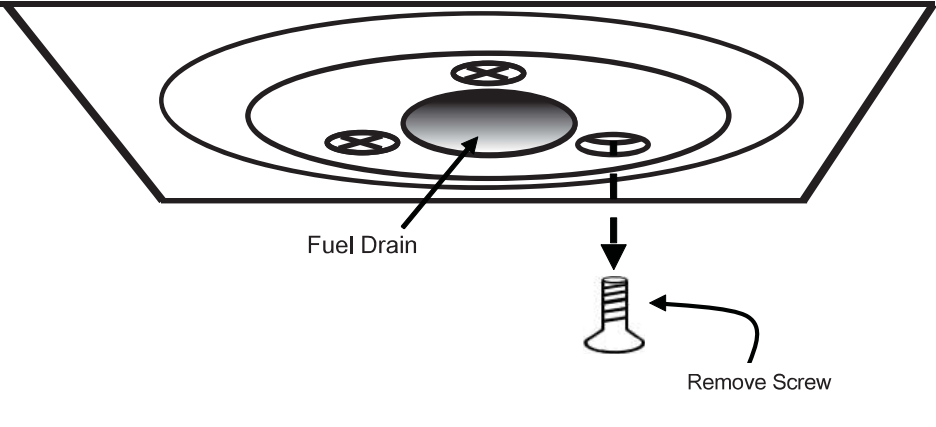
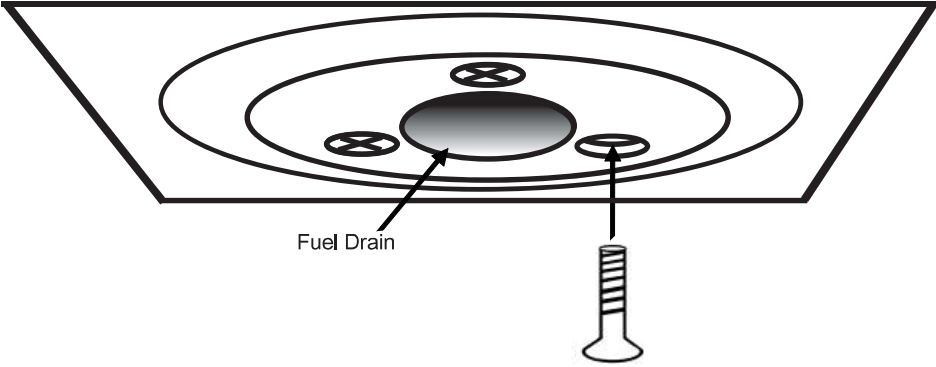
Doubler Plate Screw Inspection

## **INSPECTION INSTRUCTIONS**

# Fuel Doubler Plate Screw Inspection

Task	Instruction
1	<p>Do not drain the fuel out of the bay.</p> <p>Extract one screw from the Fuel Doubler Plate (P/N 100-828-4431).</p>  <p>The diagram shows a top-down view of a fuel doubler plate. It is an oval-shaped plate with a central circular fuel drain. Three screws are positioned around the perimeter of the plate. Labels with arrows point to the 'Fuel Drain' and 'Screws'.</p>
2	<p>Measure the screw and ensure that it is a <b>MS24694S52</b>. If the screw is the correct size, re-install the screw and note the work performed in the KODIAK 100 Log Books.</p> <p><b>NOTE:</b> There is no need to check the other two screws unless the customer so desires.</p> <p>If it is a <b>MS24694S50</b>, please continue to <b>Step 3</b> that will explain the process of how to remove the <b>MS24694S50</b> short screws and replace them with the <b>MS24694S52</b> which are the correct length screws.</p>  <p>The photograph shows two screws side-by-side. The screw on the left is labeled 'MS24694S52' and has a height dimension of '21/32'. The screw on the right is labeled 'MS24694S50' and has a height dimension of '17/32'. Both screws are brass-colored with a hexagonal head.</p>

## Fuel Doubler Plate Screw Inspection

Task	Instruction
<p><b>3</b></p> <p>Turn the overhead fuel selector valves located in the cockpit to <b>CLOSED</b>.</p> <p>Do not drain the fuel out of the bay.</p> <p>Extract one of the 3 screws as shown.</p>	 <p style="text-align: center;">Fuel Drain</p> <p style="text-align: right;">Remove Screw</p>
<p><b>4</b></p> <p>Install the Philips screw (P/N <b>MS24694S52</b>).</p>	 <p style="text-align: center;">Fuel Drain</p>
<p><b>5</b></p> <p>Repeat the process for the remaining two screws, removing one at a time and installing the correct sized screws. (P/N <b>MS24694S52</b>)</p>	
<p><b>6</b></p> <p>Note the work performed in the KODIAK 100 Log Books.</p>	