

**\*RECOMMENDED SERVICE BULLETIN\***

**NUMBER:** SB11-09  
**REVISION:** 01  
**DATE:** 08/01/2011

**SUBJECT:** BRAKE MASTER CYLINDER INSPECTION

**EFFECTIVITY:**

KODIAK 100 Series Aircraft Serial Numbers: 100-0001 through 100-0052.

**SUMMARY:**

It has been determined that the pin and bushings securing the brake master cylinder into position may have the potential to move within the bracket.

**ACTION:**

Quest is recommending a one time inspection of the master brake cylinder support bracket, as well as the installation of four (4) new washers.

**COMPLIANCE:**

This Recommended Service Bulletin should be complied with on or before the next 100 hour, annual inspection, or scheduled maintenance, whichever comes first.

**LOG OF CHANGES:**

Revision:	Date:	Description of Change:
00	07/15/2011	Initial Release
01	08/01/2011	Summary: Clarified Parts and Tools Included: Updated and Clarified Parts and Tools Not Included: Removed Detail D: Updated to reflect cotter pin part number.

**ATTACHED DOCUMENTS:**

Document #:	Date:	Document Title:
N/A	N/A	N/A

**PARTS, TOOLS, AND EQUIPMENT:**

The parts, tools and equipment listed below are needed in order to complete the instructions contained within.

Parts and/or Tools needed to comply with this Service Bulletin:

Item	Quantity	Part Number	Description
1	4	NAS1149F0332P	Washer
2	2	MS24665-132	Cotter Pin

**FAA APPROVED:**

The modification described in this Recommended Service Bulletin has shown compliance with the applicable Federal Aviation Regulations and is FAA Approved.

**INDUSTRY SUPPORT INFORMATION:**

N/A

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**WEIGHT AND BALANCE:**

Negligible

**MANPOWER:**

The instructions contained in this Recommended Service Bulletin will take approximately:

- 1 Hour

**CREDIT AND WARRANTY INFORMATION:**

Quest Aircraft Company will reimburse for the cost of this modification up to \$75.00 for aircraft still under factory warranty. For reimbursement send Quest Aircraft Company a copy of the modification record and serial number of the aircraft on which the modification was completed.

*Quest Customer Service  
Service Bulletin SB11-09  
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**COMPLETION:**

Record the work performed in the *KODIAK 100 Maintenance Records*.

**ACCOMPLISHMENT INSTRUCTIONS:**

Accomplishment Instructions are listed in the next section of this Service Bulletin.

**ATTACHED DOCUMENTS:**

N/A

**SPECIAL INSTRUCTIONS:**

N/A

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## 1. BRAKE MASTER CYLINDER INSPECTION

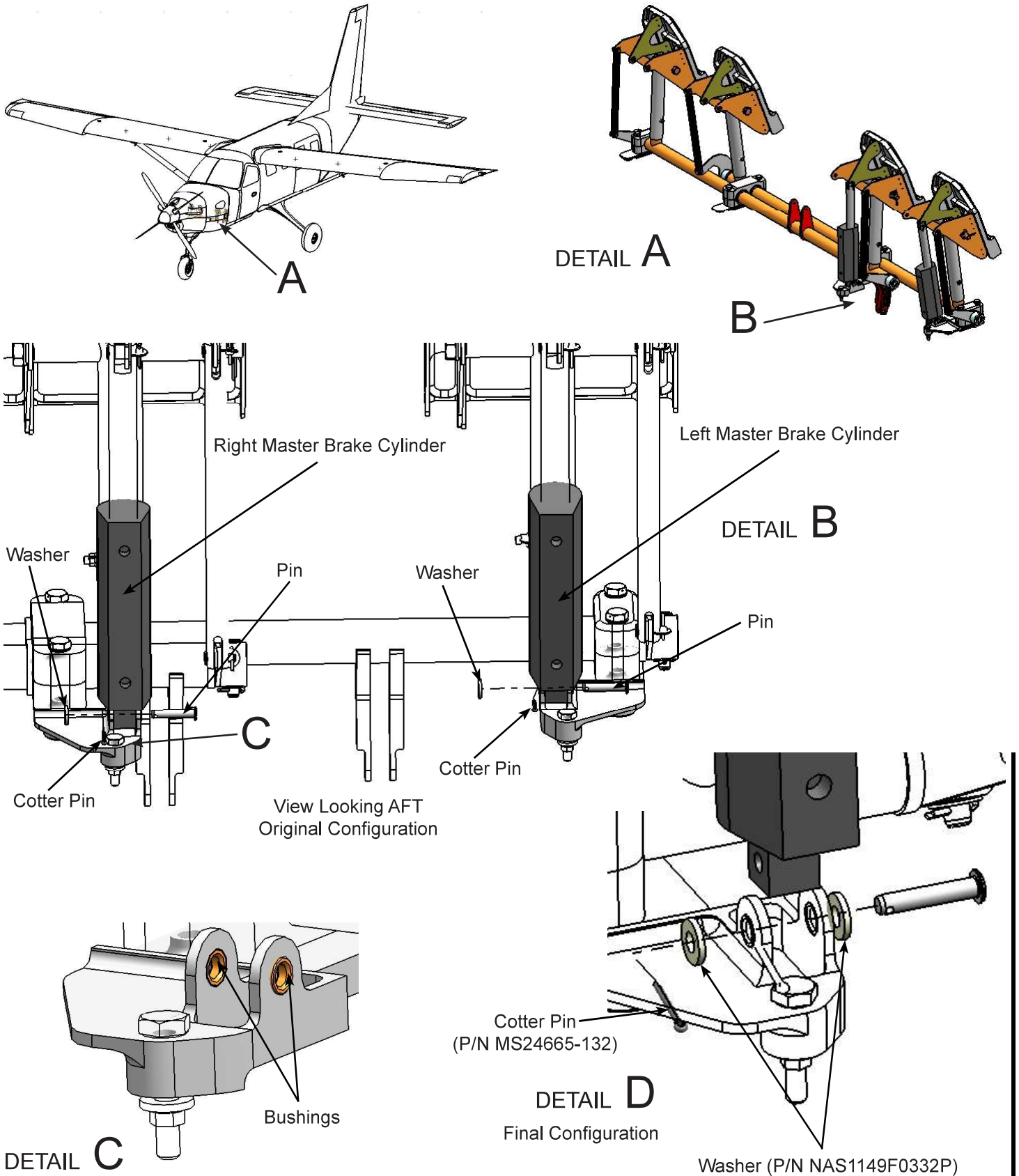
1. Remove the cotter pin (P/N **MS24665-132**) securing the pin (P/N **MS20392-2C27**) into position on both the right and left brake master cylinders as shown in **Figure 1-1, Detail B**.
2. Remove the two (2) pins (P/N **MS20392-2C27**) and two (2) washers (P/N **NAS1149F0363P**) from the aircraft. Discard the two (2) washers (P/N **NAS1149F0363P**) and retain the two (2) pins (P/N **MS20392-2C27**) for use in **Section 2**.
3. Move the right brake master cylinder (P/N **CM2000-1**) AFT of the right hand brake master support bracket (P/N **100-617-0034**).
4. Move the left brake master cylinder (P/N **CM2000-1**) AFT of the left hand brake master support bracket (P/N **100-617-0015**).
5. Verify the bushings are secure in both the left hand brake master support bracket (P/N **100-617-0015**) and the right hand brake master support bracket (P/N **100-617-0034**) as shown in **Figure 1-1, Detail C**.
6. If bushings are loose, contact Quest Aircraft Company for further instructions. If bushings are secure, proceed to **Section 2**.

## 2. WASHER INSTALLATION

1. Position and secure the left brake master cylinder (P/N **CM2000-1**) using the pin (P/N **MS20392-2C27**), two (2) washers (P/N **NAS1149F0332P**), and a cotter pin (P/N **MS24665-132**) as shown in **Figure 1-1, Detail D**.
2. Position and secure the right brake master cylinder (P/N **CM2000-1**) using the pin (P/N **MS20392-2C27**), two (2) washers (P/N **NAS1149F0332P**), and a cotter pin (P/N **MS24665-132**) as shown in **Figure 1-1, Detail D**.

## 3. RECORD WORK PERFORMED IN KODIAK LOG BOOKS

Upon completion, record all work performed in the appropriate KODIAK maintenance records.



**Figure 1-1: Master Brake Cylinder Inspection and Washer Installation**