

SERVICE BULLETIN

FUJI HEAVY INDUSTRIES LTD.

HEAD OFFICE ; SUBARU BLDG.
SHINJUKU, TOKYO, JAPAN

JCAB APPROVED

NO. 200-016 DATE April 17, 2014

(SUPERSEDES NO.)

REV. DATE

(SUPERSEDES NO.)

REASON

1. SUBJECT : Replacement of “O” Rings of Brake Master Cylinder
2. AIRCRAFT AFFECTED : FA-200-160, FA-200-180 and FA-200-180AO
3. PRIORITY : Mandatory
4. REASON : To replace the aged “O” rings of the brake master cylinder due to potential sealing failure.
5. DESCRIPTION : Replace the “O” rings of the brake master cylinder per service manual.
6. ACCOMPLISHMENT :
 - (1) Accomplish this service bulletin for the brake master cylinders installed in the affected aircraft (if equipped with the “O” ring that is more than 1,000 flight hours or 5 years old, or if it is unknown when the previous replacement of the “O” rings was made) within 50 flight hours or 1 year after the receipt of this service bulletin, whichever occurs first.
 - (2) When the brake master cylinder is replaced after the receipt of this service bulletin, check the date of the manufacture of the cylinder or the date of the previous replacement of the “O” rings by referring to any document with which the replacement record can be identified. Accomplish the following.
 - a. New brake master cylinder
 - If using a new brake master cylinder manufactured over 5 years ago, replace the “O” rings when installed on the aircraft (*).
 - b. Brake master cylinder other than new ones
 - If using a brake master cylinder whose “O” rings were replaced over 5 years ago, replace the “O” rings when installed on the aircraft (*).
 - c. If it is unknown when the cylinder was manufactured or when the “O” rings were previously replaced, replace the “O” rings when installed on the aircraft.

* If a new cylinder is less than 5 years old or a cylinder has the “O” rings replaced within 5 years, it is acceptable to install the cylinder without replacing the “O” rings. However its storage period (the time period from manufacture or previous “O” ring replacement until installation) must be included into work life.

7. JCAB APPROVAL : JCAB Approval (No-kou-14-006) April 16, 2014

8. WORK CLASSIFICATION: Tasks in this service bulletin fall under general maintenance.

9. PARTS REQUIRED : The following parts are required to accomplish this bulletin:

No.	P/N	NOMENCLATURE	QTY/AC	REMARKS
1	AN6227-8 or AN6227B8	“O”RING	2	Aircraft equipped with the 0541138 brake master cylinder
2	AN6227-9 or AN6227B9	“O”RING	2	Aircraft equipped with the 200-584160-001
3	AN6227-4 or AN6227B4	“O”RING	2	brake master cylinder

10. SPECIAL TOOL : None

11. WEIGHT AND BALANCE : Not affected

12. REFERENCE : Service Manual

13. DETAILED INSTRUCTIONS:
Replacement must be performed per Service Manual 9-5.

14. OTHERS:
The task of this service bulletin must be recorded in the aircraft log book with the approval by qualified mechanics.
Service News will be published to announce the revision of the service manual for the change of the “O” ring inspection interval.