



# SERVICE BULLETIN

FUJI HEAVY INDUSTRIES LTD.

HEAD OFFICE

: SUBARU BLDG,

SHINJUKU, TOKYO, JAPAN

NO : FAS-067A

DATE : June 26, 1972

REV. "A" December 7, 1972

1. SUBJECT : Replacement of Alternator Cooling Fan P/N PU-1605A.
2. AIRCRAFT AFFECTED: All FA-200 series aircraft equipped with alternator P/N ALZ-8401.
3. PRIORITY : Mandatory.
4. REASON : In order to preclude in-service failures of alternator cooling fans.
5. DESCRIPTION : Replace the existing cooling fan (P/N PU-605A) with an improved fan (P/N 90-2241).
6. ACCOMPLISHMENT : Within 100 hours of the last inspection accomplished in accordance with Service Bulletin FAS-067 but not later than January 1, 1973, accomplish replacement of the cooling fan in accordance with this Service Bulletin.
7. APPROVAL : JCAB Approval (NO-TOKYO-056) December 6, 1972
8. PARTS REQUIRED : The following parts are required to comply with this directive:

PART NO.	PART NAME	QTY
90-2241	FAN	1

(Consists of ventilating fan and backing plate.)
9. SPECIAL TOOL : None required.

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10. WEIGHT AND BALANCE : Negligible.
11. REFERENCE : (1) Airworthiness Directive, Prestolite.  
Amdit. 39-1487.  
(2) Prestolite Service Bulletin No. ASM-8,  
May 30, 1972.
12. MANHOUR REQUIRED : 2.0 manhours required.
13. DETAILED INSTRUCTIONS:
- (1) Remove the lower engine cowling in accordance with Service Manual, para. 4-3-1.
  - (2) Remove the alternator from the engine in accordance with Service Manual, para. 10-6-6, sub-para. (2) through (4).
  - (3) Using a strap wrench or suitable tool to hold the pulley, loosen and remove the pulley retaining nut, lockwasher, pulley and fan.

CAUTION

When loosening the pulley retaining nut, do not use the cooling fan to prevent rotation of the alternator shaft. Use of the fan to prevent shaft rotation can result in bending and distortion of the fan that will require it to be replaced.

- (4) Install the new ventilating fan as illustrated in figure 1.

CAUTION

The new fan consists of a thick gauge aluminum material ventilating fan and a thin gauge aluminum material backing plate. When installing the fan, use caution as stated in above step (3) to prevent damage to the fan.

- (5) Make certain the outside edge of the backing plate contacts the outside edge of the fan. Install the pulley, lockwasher and retaining nut, then torque the retaining nut to 35 ft-lbs minimum to 40 ft-lbs maximum.
  - (6) Install the alternator to the engine. Make adjustment to obtain specified belt tension in accordance with Service Manual, Chapter 3, Table 3-5 (4/4).
  - (7) Install the lower engine cowling.
14. NOTICE : This Service Bulletin supersedes the previous bulletin FAS-067 dated June 26, 1972.

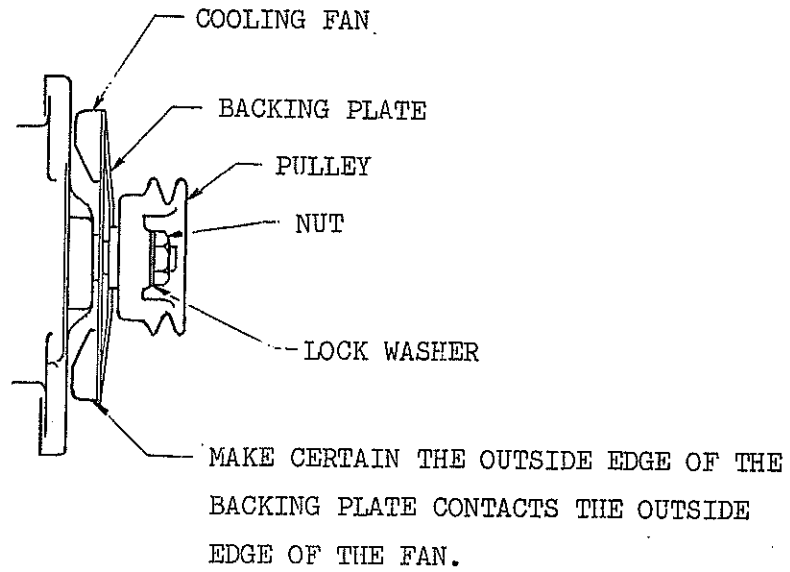


FIGURE 1. DETAILS FOR COOLING FAN INSTALLATION