

# SERVICE BULLETIN

FUJI HEAVY INDUSTRIES LTD.

HEAD OFFICE; SUBARU BLDG  
SHINJUKU, TOKYO, JAPAN

JCAB APPROVED

NO. 200-014

DATE June 3, 2005

(SUPERSEDES NO. )

REV.

DATE

(SUPERSEDES NO. )

REASON

1. SUBJECT : Auxiliary Fuel Pump, Verification and Replacement of
2. AIRCRAFT AFFECTED : All FA-200-180 aircraft
3. PRIORITY : Essential
4. REASON : To prevent the functional reduction of the equipment located in downstream of the auxiliary fuel pump, due to foreign particles occurring from inside of the pump.
5. DESCRIPTION : Verify the part number of the auxiliary fuel pump installed on aircraft and accomplish replacement or overhaul as follows:  
(1) If Dukes auxiliary fuel pump P/N 4140-00 is installed, replace it with Dukes P/N 4140-00-NV.  
(2) If Dukes auxiliary fuel pump P/N 4140-00-1 or P/N 4140-00-7 is installed, replace it with Dukes P/N 4140-00-1NV or 4140-00-7NV.  
or  
(3) Overhaul affected auxiliary fuel pump at Dukes Inc. or a certified repair station. (The overhauled fuel pumps are identified with "NV" after the part number.)
6. ACCOMPLISHMENT : Within the next 100 hours of flight time after the receipt of this Service Bulletin.
7. APPROVAL : JCAB Approval (kou-05-007) June 3, 2005
8. CLASSIFICATION : Minor repair.
9. PARTS REQUIRED :

No.	P/N	NOMENCLATURE	QTY	REMARKS
1	4140-00-NV(*1) or 4140-00-1NV(*2) or 4140-00-7NV(*2)	PUMP	1	Required when auxiliary fuel pump is replaced.
2	AN753A2	TIP	1	Used on 4140-00-NV
3	31890	TERMINAL	1	Used on 4140-00-NV (Made by AMP)
4	32447	SPLICE	1	Used on 4140-00-1NV, 4140-00-7NV (Made by AMP)
5	FVD1.25-4	TERMINAL	1	Used on 4140-00-1NV, 4140-00-7NV (Made by JST)

\*1 indicates 24VDC specification. \*2 indicates 12VDC specification.

AEROSPACE COMPANY

1-11 YOUNAN 1 CHOME. UTSUNOMIYA TOCHIGI  
JAPAN 320-834 TEL +81-28-684-7253, FAX +81-28-684-7260

SERVICE BULLETIN 200-014  
PAGE 1 OF 2

10. SPECIAL TOOL : None required

11. WEIGHT AND BALANCE : Not affected

12. REFERENCE : Service Manual

13. DETAILED INSTRUCTIONS:

- (1) Inspect the auxiliary fuel pump to verify the manufacturer and part number of the pump. If Dukes auxiliary fuel pump P/N 4140-00, 4140-00-1, or 4140-00-7 is installed, accomplish the following:
- (2) Remove the auxiliary fuel pump. (Refer to Service Manual, Paragraph 6-9-1.)
- (3) Overhaul the auxiliary fuel pump or install either overhauled or new pump on aircraft. (Refer to Service Manual, Paragraph 6-9-2.)

For information concerning overhaul facilities, please contact:

Fuji Heavy Industries Ltd., Commercial Helicopter Business Section

Tel +81-28-684-7259 Fax +81-28-684-7260 Attn: Yuuji Takayama

- (4) Inspect and clean the fuel inlet strainer assembly. (Refer to Service Manual, Paragraph 4-14-2.)
- (5) If foreign particles are found on the strainer, replace the check valve (P/N 200-389008-001) located at downstream of the auxiliary fuel pump
- (6) Reassemble the fuel line and other parts.
- (7) Operate the auxiliary fuel pump and verify fuel pressure increment by indicator. Also check for no evidence of fuel leakage.

14. AIRCRAFT LOG ENTRY:

After compliance with this bulletin, make entry in aircraft log book.