

SERVICE BULLETIN

FUJI HEAVY INDUSTRIES LTD.

HEAD OFFICE ; SUBARU BLDG.
SHINJUKU, TOKYO, JAPAN

~~JCAB APPROVED~~

NO. FAS-054 DATE Mar 15,1971 (SUPERSEDES NO.)
REV. A DATE Sep 26, 2005 (SUPERSEDES NO.)
REASON

1. SUBJECT : Change of Main Landing Gear Axle Spacer and Replacement of Axle
2. AIRCRAFT AFFECTED : All FA-200 series aircraft
3. PRIORITY : Desirable
4. REASON : To change spacer for prevention of axle wear due to mating grease seal, and also to establish the replacement procedures for worn axle.
5. DESCRIPTION : Replace existing spacers with new improved ones. Also replace main landing gear axle if worn excessively.
6. ACCOMPLISHMENT : Optional
7. APPROVAL : JCAB Approval not required
- 7A. CLASSIFICATION : Minor repair.
8. PARTS REQUIRED : The following parts are required to accomplish this bulletin:

PART NUMBER	NOMENCLATURE	QTY/AC	REMARKS
200-812160-005	SPACER	2	
200-812000-603	SOCKET & AXLE ASSY	2	Required if axles are replaced.

9. SPECIAL TOOL : None required
10. WEIGHT AND BALANCE: Not affected

11. REFERENCE : Not applicable

12. MANPOWER : 1.5 manhours (not including axle replacement)
8.0 manhours (including axle replacement)

13. DETAILED INSTRUCTIONS :

- a. Jack up aircraft in accordance with Service Manual, Paragraph. 2-2.
- b. Remove main landing gear wheels in accordance with Service Manual, Paragraph 9-3-5.
- c. Clean axles, bearings, seals, etc.
- d. Inspect axle for damages, especially on the contact surface of oil seal. If evidence of damage is found, replace the damaged axle in accordance with the following procedures. If minor wear only is noted on the axle at the oil seal contact area, replace existing spacer with new part in accordance with the following step e and subsequent procedures.
 - (a) Remove brake hose from wheel brake assembly at the connection. Use suitable container to catch any spilled hydraulic fluid from brake system.
 - (b) Refer to Service Manual, Figure 9-5. Remove pin (20) securing torque link (18) and socket (27), and separate torque link and socket.
 - (c) Remove bolt (28) securing socket (27) and piston (16), and then pull out socket from piston.
 - (d) Remove wheel brake from axle in accordance with Service Manual, Paragraph 9-5-6.
 - (e) (Deleted)
 - (f) Reinstall wheel brake on new axle P/N200-812000-603
 - (g) Install socket onto piston and secure with the same bolt as removed in the above step c.

- (h) Assemble torque link and socket.
- (i) Connect brake hose to wheel brake assembly.
- e. Replace existing spacers P/N200-812160-008 with new improved spacers P/N200-812160-005, and reinstall main landing gears wheels.
- f. When the operations as described in the above step d have been accomplished, fill brake system with hydraulic fluid and bleed the system in accordance Service Manual, Paragraph 9-5-11.
- g. Lower and remove jacks.

Fig.1 (Deleted)

Reason for Revision:

Since plating and subsequent baking (hydrogen embrittlement removal) are beyond the repair capability of operators, replacement of axle is specified if damages are found on the axle. The issuance of this FAS-054A supersedes and cancels FAS-054.