



SERVICE BULLETIN

FUJI HEAVY INDUSTRIES LTD.

HEAD OFFICE

: SUBARU BLDG,
SHINJUKU, TOKYO, JAPAN

NO : FAS-024A
DATE : July 30, 1970
REV: "A", June 26, 1972

1. SUBJECT : Connection Change of Flap Torque Tube and Arm.
2. AIRCRAFT AFFECTED : FA-200 Series Aircraft, S/N 12 thru S/N 101.
3. PRIORITY : Essential.
4. REASON : To prevent bolt hole deformation by installing bushings since there have been instances reported whereby bolt hole through the flap torque tube and arm have been deformed.
5. DESCRIPTION : It is recommended that the bolt through holes be enlarged and bushings installed in place.
6. ACCOMPLISHMENT : At the next 1,000 hours inspection, when radial play is noted between the bolts and the mating thru holes.
7. APPROVAL : JCAB Approval (NO-TOKYO-047) June 15, 1972.
8. PARTS REQUIRED : The following parts are required to perform the modification:

PART NO.	PART NAME	QTY
MS24665-134	PIN, COTTER	2
34997-3	BUSHING	*
AN525-10	SCREW	1

* Two bushings are required for each thru hole where radial play is found.

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9. SPECIAL TOOL : Special drill (See figure 2).
10. WEIGHT AND BALANCE : Negligible.
11. REFERENCE : Not applicable.
12. MANHOUR REQUIRED : 4.0 manhours required.
13. DETAILED INSTRUCTIONS:
- (1) Check connecting point of torque tube and arm for radial play, and, if excessive play is found, proceed with bushing installation as detailed in the following steps.
 - (2) Disconnect flap push-pull rod connecting arm and flap at arm, and set control surface free.
 - (3) Remove two (2) bolts, AN3-30A, connecting torque tube and arm. Retain hardware for reuse.
 - (4) When reworking either of these two thru holes, temporarily install screw, AN525-10, into the remaining hole (one side only) to prevent rotational movement between torque tube and arm.
 - (5) Enlarge existing thru hole (.1901/.194 inch diameter) to .3120/.3130 inch diameter. Enlarge with 19/64 (.2969) inch diameter drill, and then ream thru hole with .3129/.3122 inch diameter reamer. Remove all burrs and apply zinc chromate primer to inside of reamed holes.

NOTE

Care must be exercised to make such thru hole as to ensure smooth installation of the attaching bolt.

- (6) Install two bushings, 34997-3, into each thru hole as illustrated in figure 1.
 - (7) Install arm on torque tube with hardware removed in the previous step (2). Place washers as required for adjustment. (Use at least one washer under nut.)
 - (8) Install rod in reverse of the removal procedure, and check for smooth travel of control surface by moving flap control handle. Safety bolt attaching push-pull rod with new cotter pin, MS24665-134.
14. NOTICE : This Service Bulletin supersedes the previous bulletin FAS-024 dated July 30, 1970.

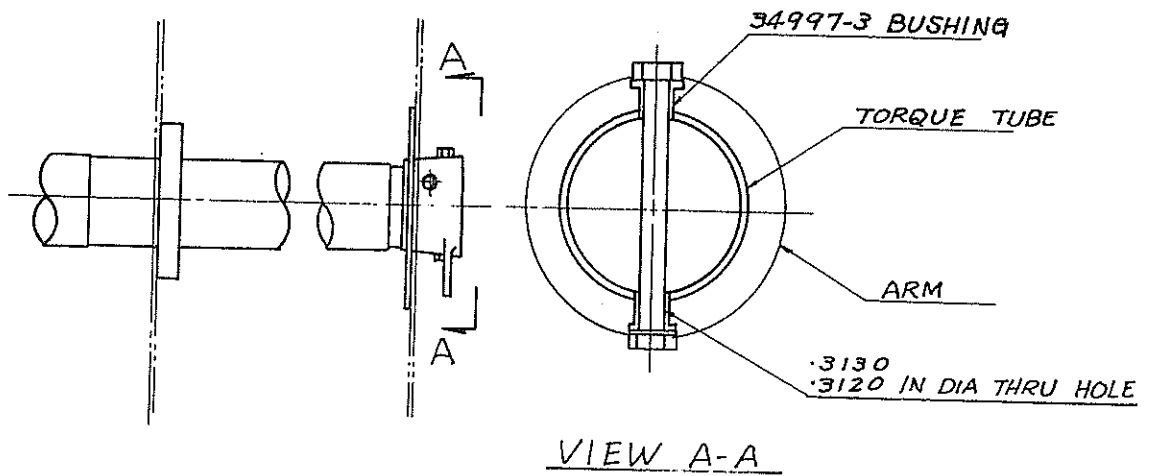


FIGURE 1. ILLUSTRATION OF BUSHING INSTALLATION

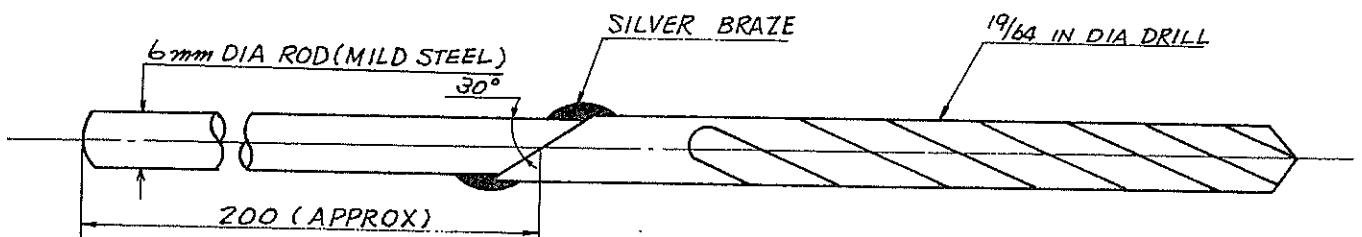


FIGURE 2. DETAIL OF SPECIAL DRIVER