



SERVICE BULLETIN

FUJI HEAVY INDUSTRIES LTD.

HEAD OFFICE

: SUBARU BLDG,

SHINJUKU, TOKYO, JAPAN

NO : FAS-065

DATE: February 7, 1972

1. SUBJECT : Modification of Main Landing Gear Assemblies.
2. AIRCRAFT AFFECTED: FA-200 Series Aircraft, Serial Nos. 2 thru 201.
3. PRIORITY : Essential.
4. REASON : In order to improve safety of the main landing gears.
(An instance was reported where the axle slipped off from the thermal fitted socket.)
5. DESCRIPTION : Check the thermal fitted portion of the axle and socket for looseness, and then install a bolt for security.
6. ACCOMPLISHMENT : One time inspection should be accomplished immediately upon receipt of this Service Bulletin, and modification accomplished no later than the next 50 hour inspection.
7. APPROVAL : JCAB Approval (NO-TOKYO-040) January 24, 1972.
8. PARTS REQUIRED : The following parts will be furnished free of charge to owners of the affected aircraft.

PART NO.	PART NAME	QTY	S/N OF APPLICABLE A/C
AN4-6A	BOLT	2	12 THRU 201
AN4-5A	BOLT	2	2 THRU 11
NAS679A4W MS21042L4 or	NUT	2	2 THRU 201
AN960-416L	WASHER	2	12 THRU 201

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8. PARTS REQUIRED : (cont.)

PART NO.	PART NAME	QTY	S/N OF APPLICABLE A/C
200-812186-003	SPECIAL WASHER	2	2 THRU 201
MS24665-360	COTTER PIN	2	2 THRU 11
MS24665-132	COTTER PIN	2	2 THRU 11

9. SPECIAL TOOL : None required.

10. WEIGHT AND BALANCE : Negligible.

11. REFERENCE : Not applicable.

12. MANHOOR REQUIRED : 1.0 manhour required for PART I, and 2.0 manhours for PART II.

13. DETAILED INSTRUCTION:

A. PART I (Applicable to S/Ns 12 thru 201)

1. One Time Inspection:

- (1) Clean the end of socket bore, and check for evidence of axial movement of axle. (See figure 1, detail B.)
- (2) If axial movement more than 2 mm is evident in the above inspection, contact Fuji Heavy Industries Ltd. immediately.
- (3) If no movement is found, accomplish modification as follows:

2. Modification:

- (1) Jack up main landing gear.
- (2) Drill 0.250 to 0.254 inch diameter hole in socket and axle assy as illustrated in figure 1.
- (3) Remove all burrs, then apply wet zinc chromate primer to hole surfaces.
- (4) Insert AN4-6 bolt into hole with 200-812186-003 special washer. Position special washer against axle inside with radius of washer mated to radius of axle.
- (5) Install AN960-416L washer, and tighten NAS679A4W or MS21042L4 nut.
- (6) Lower main landing gear.

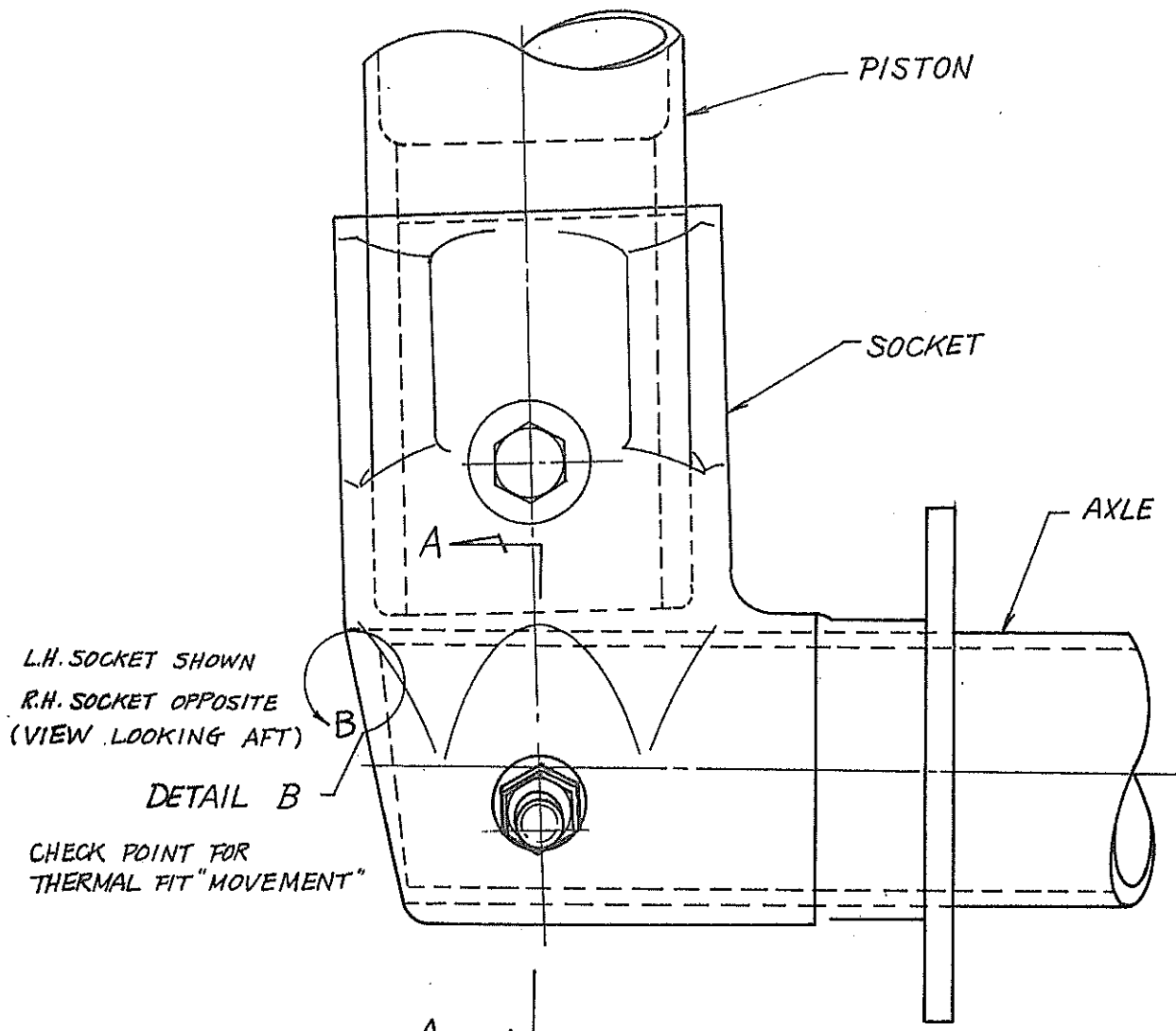
B. PART II (Applicable to S/Ns 2 thru 11)

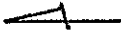
1. One Time Inspection:

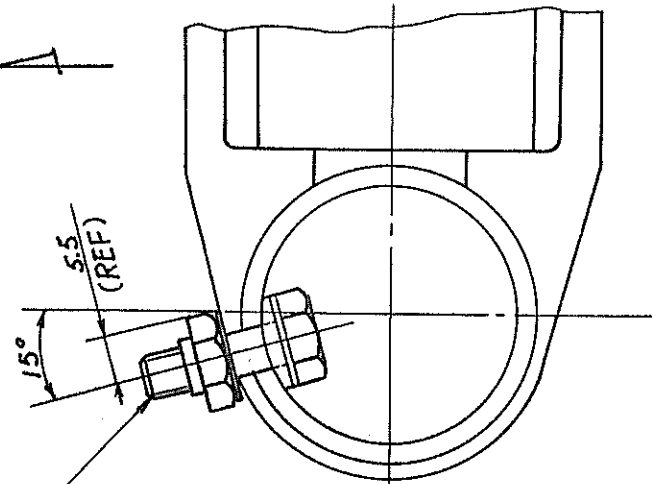
- (1) Clean the end of socket bore, and check for evidence of axial movement of axle. (See figure 2, detail B.)
- (2) If axial movement more than 2 mm is evident in the above inspection, contact Fuji Heavy Industries Ltd. immediately.
- (3) If no movement is found, accomplish modification as follows:

2. Modification:

- (1) Jack up airframe and remove tire.
- (2) Remove piston and socket attaching bolt and lower end of torque link, and then remove socket and axle assy.
- (3) Drill 0.250 to 0.254 inch diameter hole in socket and axle assy as illustrated in figure 2.
- (4) Remove all burrs, then apply wet zinc chromate primer to hole surfaces.
- (5) Insert AN4-5A bolt into hole from piston side as illustrated.
- (6) Position 200-812186-003 special washer against axle inside with radius of washer mated to radius of axle, then tighten NAS679A4W or MS21042L4 nut.
- (7) Install socket and axle assy, and connect lower end of torque link, using new cotter pin MS24665-132.
- (8) Install tire and secure with new cotter pin MS24665-360.
- (9) Lower airframe and remove jack.



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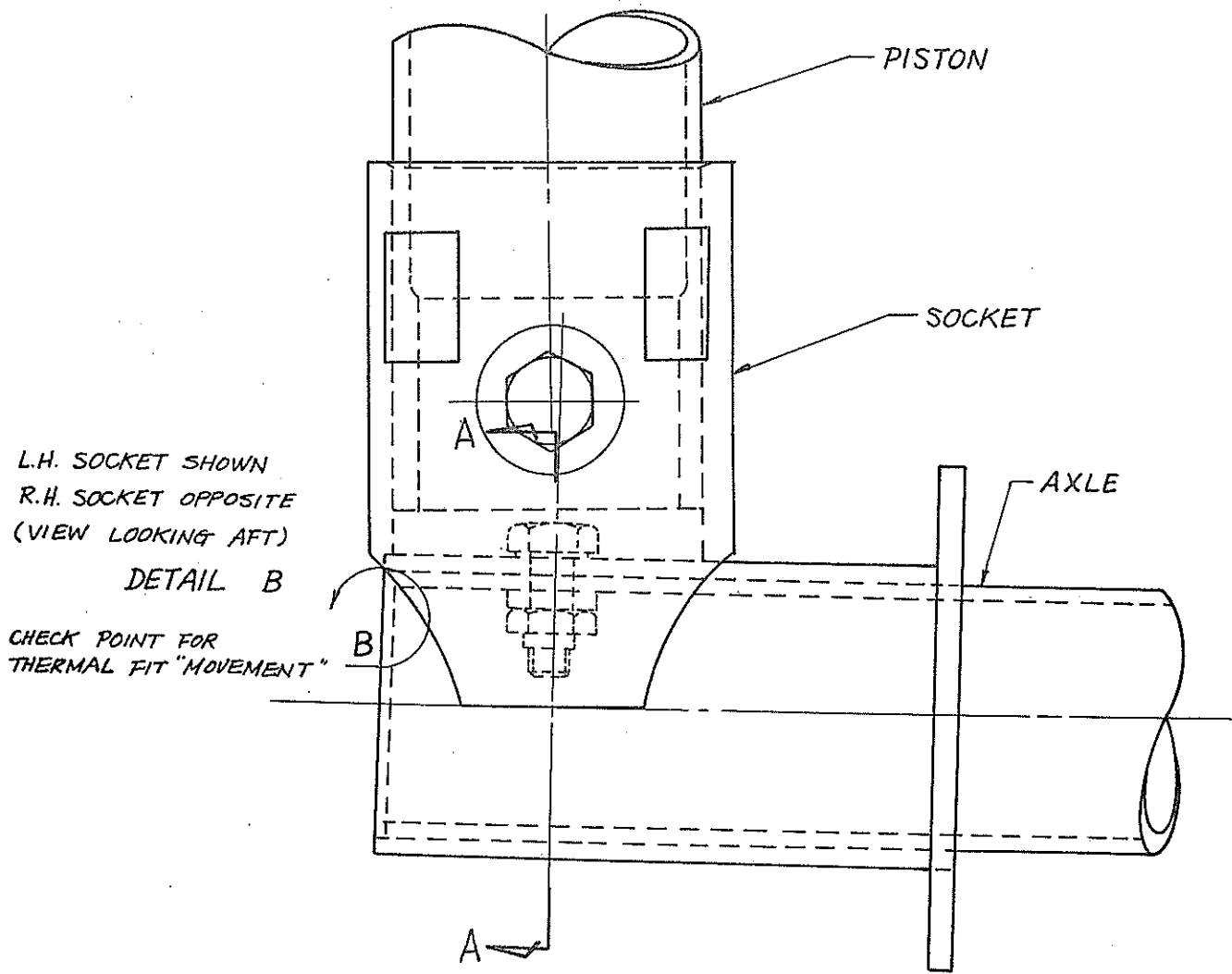


SECTION A-A

- DRILL : $\frac{254}{250}$ IN DIA
- AN4-6A BOLT 1 REQD
- NAS679A4W OR MS21042L4 NUT 1 REQD
- AN960-416L WASHER 1 REQD
- 200-812186-003 SPECIAL WASHER 1 REQD

FIGURE 1. MODIFICATION OF MAIN LANDING GEAR

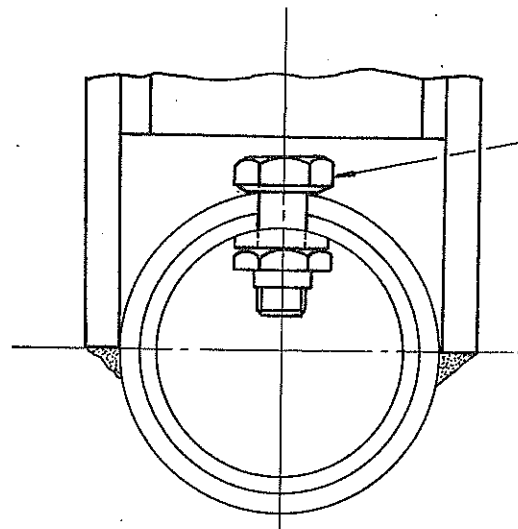
(APPLICABLE TO S/Ns 12 THRU 201)



L.H. SOCKET SHOWN
R.H. SOCKET OPPOSITE
(VIEW LOOKING AFT)

DETAIL B

CHECK POINT FOR
THERMAL FIT "MOVEMENT"



DRILL .254
IN DIA HOLE THRU
SOCKET AND AXLE.
AN 4-5A BOLT 1REQD
NAS679A4W OR
MS21042L4 NUT 1REQD
200-812186-003 SPECIAL WASHER 1REQD.

SECTION A-A

FIGURE 2. MODIFICATION OF MAIN LANDING GEAR

(APPLICABLE TO S/NS 2 THRU 11)