

KU-KEN-27

No.TCD- 452B

Date Jan. 16, 1968

Japan Civil Aviation Bureau

Airworthiness Directive

The undermentioned examinations or modifications are mandatory.

1. Applies to: NAMC YS-11

2. Compliance required as indicated

As the malfunction of the main landing gear door actuating mechanism has happened because of interference of the guide and the hook with the roller, accomplish the following, unless already accomplished.

2.1 Inspect the main landing gear door actuating mechanism for compliance with the following requirements immediately.

- (1) The gap between the main landing gear roller and the main landing gear door actuating mechanism guide shall be more than 0.5 millimetre (0.02 inch).
- (2) At the position where rollers of the main landing gear just begin to enter between guides, the gaps between the main landing gear roller and the main landing gear door actuating mechanism guide shall differ less than 0.5 millimetre

(0.02 inch) between left-hand one and right-hand one.

- (3) At the position of "door full open", the hook shall stand back more than 0.5 millimetre (0.02 inch) but less than 1.0 millimetre (0.04 inch) from the guide. More than 1.0 millimetre (0.04 inch) may be allowed, provided it does comply with A(3) (a) and (b) of paragraph 2 of NAMC Alert Service Bulletin A32-63(Rev.4), or later JCAB-approved revision.
- (4) The stop bolt of the door shall have no play on shaking the door by hands.

2.2 If any requirement under 2.1 shall not be complied with, make adjustment prior to further flight.

2.3 For the aeroplanes to which the modification of the main landing gear door actuating mechanism was accomplished in accordance with NAMC Service Bulletin No.32-68, repeat the inspection required under 2.1 and adjustment required under 2.2 in every "D" check (4,000 hrs). For the aeroplanes to which the above modification was not yet accomplished, repeat them in every "2C" check (800 hrs). And whenever something has been made to the main landing gear and the door actuating mechanism, accomplish the above inspection and adjustment.

3. Remarks

- 3.1 Effective date: January 16, 1968
- 3.2 NAMC Alert Service Bulletin No. A32-63(Rev. 4), or later
JCAB-approved revision and No.32-68, or later
JCAB-approved revision cover this subject.
- 3.3 This supersedes TCD-452A.