

KU-KEN-1478

No. TCD-2252-2-88

Date Dec. 23, 1988

Japan Civil Aviation Bureau

TAIKUSEI-KAIZEN-TSUHO

Airworthiness Directive

The undermentioned examinations or modifications are mandatory.

1. Applies to Mitsubishi MU-2B/-10/-15/-20/-25/-26: S/N 008 thru 347  
(except S/N 313 and 321) and MU-2B-30/-35/-36:  
S/N 501 thru 696 (except S/N 652 and 661)

2. Compliance required as indicated

To prevent the failure of the joint of the torque tube assembly in flap control system resulting from fatigue, accomplish the following unless already accomplished.

- 2.1 For the airplane installed with the joint P/N 010A-61254 of torque tube assy, accomplish paragraph 2.1.1 thru 2.1.4 of this AD.

- 2.1.1 For the airplane with 4,000 total flight hours or more on the effective date of this AD, inspect and, if necessary, replace the joint with a serviceable one in accordance with Part 1 of Mitsubishi MU-2 Service Bulletin No. 189B (hereinafter referred to as "SB189B") within

100 flight hours after the effective date of this AD and thereafter at intervals not to exceed 100 flight hours after the last inspection.

2.1.2 For the airplane with less than 4,000 total flight hours on the effective date of this AD, inspect and, if necessary, replace the joint with a serviceable one in accordance with Part 1 of SB189B within 4,100 total flight hours and thereafter at intervals not to exceed 100 flight hours after the last inspection.

2.1.3 After the joint is replaced with the improved joint P/N 010A-61254-3 in accordance with Part 1A of SB189B, inspection prescribed in paragraph 2.1.1 and 2.1.2 is not required.

2.1.4 After the joint is replaced with the new original joint P/N 010A-61254 in accordance with Part 1A of SB189B, inspect in accordance with Part 1 of SB189B within 4,100 flight hours after replacement and thereafter at intervals not to exceed 100 flight hours after the last inspection.

2.2 For the airplane installed with the joint other than P/N 010A-61254 (except the airplane installed with the joint P/N 010A-61255-9/-13/-15), accomplish 2.2.1 thru 2.2.4 of this AD.

- 2.2.1 For the airplane with 4,000 total flight hours or more on the effective date of this AD, inspect and, if necessary, replace the joint with a serviceable one in accordance with Part 2 of SB189B within 100 flight hours after the effective date of this AD and thereafter at intervals not to exceed 500 flight hours after the last inspection.
- 2.2.2 For the airplane with less than 4,000 total flight hours on the effective date of this AD, inspect and, if necessary, replace the joint with a serviceable one in accordance with Part 2 of SB189B within 4,100 total flight hours and thereafter at intervals not to exceed 500 flight hours after the last inspection.
- 2.2.3 After the joint is replaced with the improved joint P/N 010A-61255-17/-19/-23 and 010A-61264-7/-9 in accordance with Part 2A of SB189B, inspection prescribed in paragraph 2.2.1 and 2.2.2 is not required.
- 2.2.4 After the joint is replaced with the new original joint P/N 010A-61255-3/-5/-7 and 010A-61264-3/-5 in accordance with Part 2A of SB189B, inspect in accordance with Part 2 of SB189B within 4,100 flight hours after replacement and thereafter at intervals not to exceed 500 flight hours after the last inspection.
- 2.3 For the airplane installed with the joint P/N 010A-61255-9/-13/-15 of the torque tube assy, accomplish 2.3.1 thru 2.3.2 of this AD.

2.3.1 Inspect and, if necessary, replace the joint with a serviceable one in accordance with Part 3 of SB189B within 4,100 hours time in service of the joint and thereafter at intervals not to exceed 500 flight hours after the last inspection.

2.3.2 After the joint is replaced with the improved joint P/N 010A-61255-17/-19/-23 in accordance with Part 3B of SB189B, inspection prescribed in paragraph 2.3.1 is no longer required.

3. Remarks

3.1 This AD amends AD No. TCD-2252-1-87 dated August 10, 1987.

3.2 This AD becomes effective on February 1, 1989.

3.3 Mitsubishi MU-2 Service Bulletin No.189B (dated May 27, 1988) pertains to this AD.