

KOKU-KU-KI-503

No. TCD-10321-2024

Date of Issue: July 19, 2024

Japan Civil Aviation Bureau

TAIKUSEI-KAIZEN-TSUHO

Airworthiness Directive

1. This TAIKUSEI-KAIZEN-TSUHO is issued by the Japan Civil Aviation Bureau to correct an unsafe condition in a product which is shown in paragraph 2. Aircraft owners and operators are responsible for ensuring compliance with the requirements of this TAIKUSEI-KAIZEN-TSUHO that apply to the product.

Note 1: Legal information for Japanese operators is omitted.

Note 2: This is the English translation. In case of any difficulty, refer to the Japanese original text.

2. Applies to: KAWASAKI BK117 C-2 helicopter.

3. Compliance is required as indicated, unless already accomplished.

To prevent loss of control of the helicopter due to erroneous pitch and/or oscillations of main rotor blades caused by significant wear of spherical bearings of rotating control rods in the main rotor system, accomplish the following.

3.1 Within 100 flight hours or next 12 months inspection, whichever comes first after the effective date of this AD, inspect for play in the spherical

bearings of the rotating control rods in accordance with Part I in Section 9.1 of Kawasaki Service Bulletin No. KSB-117-486 or any further JCAB approved revision (hereinafter referred to as the SB).

3.2 If play is detected during the inspection required by paragraph 3.1 of this AD, measure the amount of radial play in both spherical bearings of the rotating control rod in accordance with Part II in Section 9.1 of the SB.

3.3 After accomplishment of paragraph 3.2 of this AD, if radial play is greater than 0.10 mm, take the action that corresponds to the measured amount of play in accordance with Table 1 of Part II in Section 9.1 of the SB.

3.4 Within 7 days after the measurement as required by paragraph 3.2 of this AD, report the measured amount of play to Kawasaki Heavy Industries.

3.5 The tolerance values for radial play in the spherical bearings of rotating control rods as modified by Table 2 of Part III in Section 9.3 of the SB shall be used for the spherical bearings that paragraphs 3.1 and 3.2 of this AD has been accomplished, until the change in the tolerance values shown in Table 2 of Part III in Section 9.3 of the SB are incorporated into Kawasaki BK117 C-2 Aircraft Maintenance Manual 62-32-00.

3.6 An alternative means of compliance with this AD may be used, if approved by the Director-General of JCAB.

4. Remarks

4.1 This AD becomes effective on August 1, 2024.

4.2 Omitted. (Reporting requirement for Japanese Operators)

4.3 Kawasaki Service Bulletin No. KSB-117-486 dated July 9, 2024 and later JCAB approved revisions, and Kawasaki BK117 C-2 Aircraft Maintenance Manual 62-32-00 pertain to this subject.

4.4 Omitted. (Note for Japanese Operators)