

KOKU-KU-KI-696

No. TCD-7723-2010

Date of Issue: November 15, 2010

Japan Civil Aviation Bureau

TAIKUSEI-KAIZEN-TSUHO

Airworthiness Directive

The undermentioned examinations or modifications are mandatory.

1. Applies to : Kawasaki BK117 C-2 helicopters

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

To prevent impairment of free movement of the flight controls that result from the bellcrank shifting in the axial direction due to incorrect installation of bellcrank bearings, accomplish the followings:

2.1 Within 100 flight hours (FH) or 1 month after the effective date of this AD, whichever occurs first, accomplish the inspection of bearings in bellcranks for correct attachment and change the insert direction of the bolt for the bellcrank in accordance with the instructions of Kawasaki Service Bulletin No.KSB-117-318 or later JCAB approved revisions (hereinafter referred to as SB).

2.2 If the using time of bellcranks have not reached 50 hours at the inspection as required by paragraph 2.1 of this AD, within 100 FH after installation, but not before accumulating 50 FH after installation, accomplish the inspection of bearings in bellcranks for correct attachment in accordance with the instructions of SB, add to the inspection as required by paragraph 2.1 of this AD.

2.3 After the inspection as required by paragraph 2.1 of this AD, repeat the inspection of bearings in bellcranks for correct attachment at intervals not exceeding 300 FH after previous inspection in accordance with the instructions of SB.

2.4 If the spare parts of bellcrank that has been delivered prior to February 17, 2010 are to be installed, within 100 FH after installation, but not before accumulating 50 FH after installation, accomplish the inspection of

bearings in bellcranks for correct attachment in accordance with the instructions of SB.

2.5 If the bearing in bellcranks that are not correct attachment, or damaged or corroded parts are detected as a result of inspection as required by paragraph 2.1, 2.2, 2.3 or 2.4 of this AD, before further flight, replace the affected parts in accordance with the instructions of SB.

2.6 Installation of replacement parts as required by paragraph 2.5 of this AD does not constitute terminating action for the repetitive inspections as required by paragraph 2.3 of this AD.

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

### 3. Remarks

3.1 This AD becomes effective on November 29, 2010.

3.2 Kawasaki Service Bulletin No.KSB-117-318 dated March 31, 2010 and later JCAB approved revisions pertain to this subject.