KOKU-KU-KI-1929		No. TCD-9082-2018

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Japan Civil Aviation Bureau

TAIKUSEI-KAIZEN-TSUHO

Airworthiness Directive

The undermentioned examinations or modifications are mandatory.

1. Applies to: Kawasaki BK117, BK117 A-3, BK117 A-4, BK117 B-1, BK117 B-2, BK117 C-1 and BK117 C-2 helicopters.

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

To prevent loss of control of the helicopter due to the fatigue damage of the helical gear support (HGS) of the main rotor transmission, accomplish the following.

2.1 After the effective date of this AD, replace the HGS before or upon reaching the applicable life limit as specified in KAWASAKI BK117 MAINTENANCE MANUAL APPROVED PAGES Rev.30, KAWASAKI BK117C MAINTENANCE MANUAL APPROVED PAGES Rev.18 or KAWASAKI BK117C-2 MAINTENANCE MANUAL APPROVED PAGES Rev.24 as applicable or later JCAB approved revisions (hereinafter referred to as ALS).

Note: Kawasaki Service Bulletin No. KSB-117-434 provides an acceptable method to determine the total time of the HGS.

2.2 Compliance with the requirements of paragraph 2.1 of this AD can be demonstrated by:

2.2.1 Revising, as follows, the maintenance program on the basis of which the Operator or the Owner ensures the continuing airworthiness of each operated helicopter:

Incorporate the airworthiness limitation of the HGS specified in the ALS, and

2.2.2 Complying with the maintenance program described in paragraph 2.2.1 of this AD.

2.3 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 January 31, 2018.

3.2 KAWASAKI BK117 MAINTENANCE MANUAL APPROVED PAGES Rev.30 dated January 15, 2018, KAWASAKI BK117C MAINTENANCE MANUAL APPROVED PAGES Rev.18 dated January 15, 2018, KAWASAKI BK117C-2 MAINTENANCE MANUAL APPROVED PAGES Rev.24 dated January 15, 2018, Kawasaki Service Bulletin No. KSB-117-434 dated January 15, 2018 and later JCAB approved revisions pertain to this subject.