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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, BK117A-3, BK117A-4, BK117B-1, BK117B-2, BK117C-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 failure of the tail rotor transmission housing (hereinafter referred to as "the housing" in this AD), accomplish the following.

2.1 Within 100 flight hours (FH) after the effective date of this AD, and, thereafter, at intervals not to exceed 100 FH (see Note of this AD), visually inspect the housing in accordance with the instructions of Kawasaki Service Bulletin No. KSB-117-417 or any further JCAB-approved revision (hereinafter referred to as SB).

Note: A non-cumulative tolerance of 10 FH may be applied to the compliance times specified in FH in paragraph 2.1 of this AD to allow synchronization of the required inspections with other maintenance tasks for which a non-cumulative tolerance is already granted in the applicable Maintenance Manual.

2.2 In addition to the inspections as required by paragraph 2.1 of this AD, in case of maintenance action involving dynamic balancing of the tail rotor with a value of more than 1.0 inch per second, before next flight, visually inspect the housing in accordance with the instructions of SB.

2.3 If, during any inspection as required by paragraph 2.1 or 2.2 of this AD, as applicable, any crack is found on a housing, before next flight, replace that housing in accordance with SB.

2.4 From the effective date of this AD, it is allowed to install on any helicopter a housing, provided that, prior to installation, that housing has passed an inspection in accordance with SB.

2.5 Accomplishment of corrective action on a helicopter, as required by paragraph 2.3 of this AD, does not constitute terminating action for the repetitive inspections required by paragraph 2.1 or 2.2 of this AD for that helicopter.

2.6 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 August 22, 2016.

3.2 Kawasaki Service Bulletin No. KSB-117-417 dated July 27, 2016 and later JCAB approved revisions pertain to this subject.