

KOKU-KU-KI-101

No. TCD-9114-2018

Date of Issue: May 1, 2018

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 and BK117 C-1 helicopters.

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

To prevent reduced control of the helicopter due to failure to accomplish the inspection of main rotor blade thimble (hereinafter referred to as blade thimble) at the reduced intervals, which could lead to failure of main rotor blade (hereinafter referred to as blade), accomplish the following.

2.1 For the blades with sweep angle 0°: Within the compliance time as specified in paragraph 2.1.1 or 2.1.2 of this AD, as applicable, and, thereafter, at intervals not to exceed 300 flight hours (hereinafter referred to as FH), inspect each blade thimble in accordance with the instructions of Kawasaki Service Bulletin No. KSB-117-442 or any further JCAB-approved revision (hereinafter referred to as SB). A non-cumulative tolerance of 30 FH can be applied for the repetitive inspection in this paragraph.

2.1.1 For the blades inspected before the effective date of this AD: Within the compliance time as identified in paragraph 2.1.1.1 to 2.1.1.3 of this AD, as applicable

2.1.1.1 For the blades with less than 200 FH from the previous inspection of blade thimble on the effective date of this AD: Within 300 FH from the previous inspection of blade thimble. A non-cumulative tolerance of 30 FH can be applied for the inspection in this paragraph.

2.1.1.2 For the blades with 200 or more FH and less than 500 FH from

the previous inspection of blade thimble on the effective date of this AD: Within 100 FH after the effective date of this AD.

2.1.1.3 For the blades with 500 or more FH from the previous inspection of blade thimble on the effective date of this AD: Within 600 FH from the previous inspection of blade thimble.

2.1.2 For the blades not inspected before the effective date of this AD: Within the compliance time as specified in paragraph 2.1.2.1 to 2.1.2.3 of this AD, as applicable

2.1.2.1 For the blades with less than 500 FH from installation of blades on the effective date of this AD: Within 600 FH from the installation of blades. A non-cumulative tolerance of 60 FH can be applied for the inspection in this paragraph.

2.1.2.2 For the blades with 500 or more FH and less than 1500 FH from installation of blades on the effective date of this AD: Within 100 FH after the effective date of this AD.

2.1.2.3 For the blades with 1500 or more FH from installation of blades on the effective date of this AD: Within 1600 FH from the installation of blades.

2.2 For the blades with sweep angle 1°: Within the compliance time as specified in paragraph 2.2.1 or 2.2.3 of this AD, as applicable, and, thereafter, at intervals not to exceed 100 FH, inspect each blade thimble in accordance with the instructions of SB. A non-cumulative tolerance of 10 FH can be applied for the repetitive inspection in this paragraph.

2.2.1 For the blades with less than 50 FH from the previous inspection of blade thimble or lead-lug and unbalance amounts whichever shorter on the effective date of this AD: Within 100 FH from the previous inspection of blade thimble or lead-lug and unbalance amounts whichever shorter.

2.2.2 For the blades with 50 or more FH and less than 150 FH from the previous inspection of blade thimble or lead-lug and unbalance amounts whichever shorter on the effective date of this AD: Within 50 FH after the effective date of this AD.

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<p>2.2.3 For the blades with 150 or more FH from the previous inspection of blade thimble or lead-lug and unbalance amounts whichever shorter on the effective date of this AD: Within 200 FH from the previous inspection of blade thimble or lead-lug and unbalance amounts whichever shorter.</p> <p>2.3 If, during any inspection as required by paragraph 2.1 and 2.2 of this AD, any crack or anomaly is detected, before next flight, accomplish the applicable corrective action(s) in accordance with the instructions of SB.</p> <p>2.4 Accomplishment of corrective action(s), as required by paragraph 2.3 of this AD, does not constitute terminating action for the repetitive inspections required by paragraph 2.1 and 2.2 of this AD.</p> <p>2.5 From the effective date of this AD, it is allowed to install a blade on a helicopter, provided it passed the inspection as required by SB.</p> <p>2.6 An alternative means of compliance with this AD may be used, if approved by the Director-General of JCAB.</p>		
<p>3. Remarks</p> <p>3.1 This AD becomes effective on May 15, 2018.</p> <p>3.2 Kawasaki Service Bulletin No. KSB-117-442 dated April 27, 2018 and later JCAB approved revisions pertain to this subject.</p>		