KOKU-KU-KI-1682		No. TCD-4655A-2017

Date of Issue: November 9, 2017

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 loss of control of the helicopter due to the cracks in the main rotor mast, which could lead to failure of the mast, accomplish the following.

2.1 For helicopters equipped with main rotor mast, part number (P/N) 4639 205 011: Before next flight after October 3, 1997 (the effective date of TCD-4655-97) and, thereafter, at intervals not exceeding 100 flight hours, visually inspect the main rotor mast for cracks in accordance with the instructions of Kawasaki Service Bulletin No. KSB-117-134A or any further JCAB-approved revision (hereinafter referred to as SB).

2.2 If, during any inspection as required by paragraph 2.1 of this AD, as applicable, any crack is found, before next flight, replace the main rotor mast with a serviceable mast, P/N 4639 205 016, in accordance with the instructions of SB.

2.3 Inspection(s) and replacement(s), accomplished on a helicopter before the effective date of this AD in accordance with the instructions of Kawasaki Service Bulletin No. KSB-117-134, are acceptable to comply with the initial requirements of paragraphs 2.1 and 2.2 of this AD for that helicopter.

2.4 From the effective date of this AD, it is allowed to install (see Note of this AD) on any helicopter a main rotor mast, P/N 4639 205 011, provided the main rotor mast is new, or provided that, before installation, the main rotor mast passes an inspection in accordance with the instructions

of SB. Following installation, the main rotor mast must be inspected as required by paragraph 2.1 of this AD.

Note: For the purpose of this AD, removing a main rotor mast from a helicopter and re-installing that main rotor mast on the same helicopter does not constitute 'installation'.

2.5 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 23, 2017.

3.2 This AD supersedes the AD No. TCD-4655-97 dated September 25, 1997.

3.3 Kawasaki Service Bulletin No. KSB-117-134 dated September 4, 1997 and No. KSB-117-134A dated November 7, 2017 and later JCAB approved revisions pertain to this subject.