

KOKU-KU-KI-1005

No. TCD-9876-2022

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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 premature failure of a Tension Torsion Strap (T-T Strap), accomplish the following.

Note 1: For the purpose of this AD, Bendix T-T Strap is a tension torsion strap having Part Number (P/N) 117-14110 (former P/N: 2604067).

Note 2: For the purpose of this AD, Lord T-T Strap is a tension torsion strap having P/N 117-14111 (former P/N: J17322-1) or B622M10T1001.

Note 3: For the purpose of this AD, Storage Time is determined by using the following formula.

“Storage Time” = Initial date of the retirement time – T-T strap cure date

The initial date of the retirement time is the date of the first ground run or first flight after the T-T straps are installed on a helicopter, whichever comes first. If the ground run or first flight has not yet been performed after the T-T straps have been installed, the initial date of the retirement time shall be the scheduled date.

Note 4: For the purpose of this AD, Service Life Limit (SLL) is identified in the Airworthiness Limitation Section of the applicable Aircraft Maintenance Manual.

Note 5: For the purpose of this AD, a serviceable part is a Lord T-T Strap

(see Note 2 of this AD) whose storage time (see Note 3 of this AD) is not exceeding 5 years.

2.1 If Bendix T-T Straps (see Note 1 of this AD) are installed on a helicopter, within 8 weeks after the effective date of this AD, contact KHI for approved instructions and accomplish those instructions accordingly in accordance with the instructions of Kawasaki Service Bulletin No. KSB-117-470 or any further JCAB approved revision (hereinafter referred to as SB).

2.2 If Lord T-T Straps (see Note 2 of this AD) are installed on a helicopter, within the compliance time as specified in Table 1 of this AD, replace the T-T Strap with a serviceable part (see Note 5 of this AD) in accordance with the instructions of SB.

Table 1 — T-T Strap Replacement (see Note 6 of this AD)

Storage Time	Total Life	Compliance Time
5 years or less	Not relevant	Before exceeding the SLL (see Note 4 of this AD), or before the storage time (see Note 3 of this AD) exceeds 5 years, whichever occurs first
More than 5 years	17 years or less	Before the total life exceeds 17 years, or within 8 weeks after the effective date of this AD, whichever occurs later, but not exceeding the SLL
	More than 17 years	Within 8 weeks after the effective date of this AD, but not exceeding the SLL

Note 6: Unless specified otherwise, the storage time and total life (the sum of the storage time and time in service) calendar time periods indicated in Table 1 of this AD are those accumulated, on the effective date of this AD.

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2.3 From the effective date of this AD, do not install on any helicopter a Bendix T-T Strap (see Note 1 of this AD). 2.4 From the effective date of this AD, it is allowed to install on any helicopter a Lord T-T Strap (see Note 2 of this AD), provided the first flight of that helicopter after that installation is accomplished before the storage time (see Note 3 of this AD) of that T-T Strap exceeds 5 years and that, following installation, the T-T Strap is replaced before exceeding the SLL (see Note 4 of this AD). 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 March 3, 2022. 3.2 Kawasaki Service Bulletin No. KSB-117-470 dated December 1, 2021 and later JCAB approved revisions pertain to this subject.		

This is the English translation. In case of any difficulty, refer to the Japanese original text.