



適航指令發布單

Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2022-02-011	發布日期 Date issued	2022/2/23
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Kawasaki BK117, BK117 A-3, BK117 A-4, BK117 B-1, BK117 B-2, BK117 C-1 and BK117 C-2 helicopters.		
主旨摘要 Subject	This AD required tension torsion strap - Inspection / Replacement		
<div style="text-align: center;">民航局 CAA</div> <input type="checkbox"/> 本國產品 Native product <input type="checkbox"/> 其他個案 Other	<div style="text-align: center;">設計國民航主管機構 Original Authority</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> FAA <input type="checkbox"/> EASA <input type="checkbox"/> Brazil <input type="checkbox"/> Transport Canada Civil Aviation <input type="checkbox"/> DGAC </div> <div style="width: 45%;"> <input type="checkbox"/> Germany LBA <input type="checkbox"/> CAA-NL <input type="checkbox"/> UK CAA <input checked="" type="checkbox"/> Japan CAB <input type="checkbox"/> CAA of Israel <input type="checkbox"/> Other _____ </div> </div>		
	設計國 AD 編號 Original AD number	TCD-9876-2022	
	1. 直接採用原 AD 之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ 2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No)		
備註 Note	Kawasaki Service Bulletin No. KSB-117-470 dated December 1, 2021 and later JCAB approved revisions pertain to this subject.		
註： 1. AD 內容後附。 2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。 3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6330 / 6332, Fax：(02)2545-8464, e-mail： adcaa@mail.caa.gov.tw Note： 1. The AD text is enclosed. 2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval. 3. For further information, please contact Civil Aeronautics Administration on Tel：(02)2349-6330 / 6332, Fax：(02)2545-8464, e-mail： adcaa@mail.caa.gov.tw			

KOKU-KU-KI-1005

No. TCD-9876-2022

Date of Issue: February 17, 2022

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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<p>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).</p> <p>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).</p> <p>2.5 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 March 3, 2022.</p> <p>3.2 Kawasaki Service Bulletin No. KSB-117-470 dated December 1, 2021 and later JCAB approved revisions pertain to this subject.</p>		

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