

KOKU-KU-KI-382

No. TCD-6482-1-2004

Date of Issue: September 2, 2004

Japan Civil Aviation Bureau

TAIKUSEI-KAIZEN-TSUHO

Airworthiness Directive

The undermentioned examinations or modifications are mandatory.

1. Applies to : Kawasaki BK117series Helicopters, except for BK117 C-2, equipped with RESCUE WINCH SYSTEM ,P/N 117-83500-01

2. Compliance required as indicated, unless already accomplished.

To prevent the operation of hoist cable cannot be stopped, due to malfunction of the control box that controls RESCUE WINCH SYSTEM, accomplish the following.

2.1 Before next flight after the effective date of this AD, insert the copy of either Appendix I or II of this AD, which is applicable to the particular rotorcraft affected by this AD, into Section 3 EMERGENCY AND MALFUNCTION PROCEDURES of the JCAB-approved Rotorcraft Flight Manual Supplement No.10-16 RESCUE WINCH SYSTEM.

2.2 Within six months from the effective date of this AD, modify the power supply system in accordance with Kawasaki Service Bulletin No. KSB-117-235 or later JCAB-approved revisions.

2.3 Before next flight after the accomplishment of the modification in accordance with section 2.2, remove the copy of Appendix of this AD which was inserted in accordance with section 2.1.

2.4 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 September 16, 2004.

3.2 This AD revises a part of TCD-6428-2004 dated July 26. The revised part corresponds to the underlined part, the part which is not underlined is non-revised part. Therefore, regarding non-revised part, execute the

inspection, the repair, the exchange, the modification or etc. in the compliance time which is indicated on pre-revised AD.

3.3 Kawasaki Service Bulletin No. KSB-117-236 dated July 16, 2004 and No. KSB-117-235 dated August 2, 2004 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.

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Appendix I

AFFECTED : Serial number 1001 through 1024 except for 1009

When up or down operation of the winch become uncontrollable, intercept power supply to the motor and stop the winch operation in accordance with the following procedures.

The cable operation can not be controlled.

- 1."RESCUE WINCH" Switch _____ OFF
- 2."BUS-TIE" Switch _____ OFF
- 3."PWR SEL" Switch _____ OFF
- 4."GENERATOR I " Switch _____ OFF
5. Cut an unnecessary load if the load of the generator exceeds 150A.
6. Land as soon as practicable.
7. Disconnect the connector of the Rescue Winch, then recover the power supply.

NOTE

The power supply to the motor can not be intercepted by the circuit breaker "WINCH CONT" and "RESCUE WINCH MAIN SWICH" OFF.

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Appendix II

AFFECTED : Serial number 1009, 1025 and subsequent

When up or down operation of the winch become uncontrollable, intercept power supply to the motor and stop the winch operation in accordance with the following procedures.

The cable operation can not be controlled.

- 1."RESCUE WINCH" Switch _____ OFF
- 2."No.1 BUS-TIE" Switch _____ OFF
3. "GENERATOR I" Switch _____ OFF
4. Cut an unnecessary load if the load of the generator exceeds 150A.
(model C-1:200A)
5. Land as soon as practicable.
6. Disconnect the connector of the Rescue Winch, then recover the power supply.

NOTE

The power supply to the motor can not be intercepted by the circuit breaker "WINCH CONT" and "RESCUE WINCH MAIN SWICH" OFF.