

KOKU-KU-KI-207

No. TCD-6217-2003

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Japan Civil Aviation Bureau

TAIKUSEI-KAIZEN-TSUHO

Airworthiness Directive

The undermentioned examinations or modifications are mandatory.

1. Applies to : Kawasaki Model BK117 series helicopters except for BK117 C-2 ;
equipped with the affected components

Table 1 - affected components

Part Name	Part Number	Serial No.
Tail rotor transmission	4639003001 or 4639003007	900 thru 932 or components which have been overhauled or repaired on and since 16.07.2001 (Note 1)
Intermediate gearbox	4639002001 or 4639002005	902 thru 928 or components which have been overhauled or repaired on and since 16.07.2001 (Note 1)
Bearings	4639310006	3246 thru 3598

Note 1 : Components which are being overhauled or repaired right at the moment this AD is issued are included.

2. Compliance required as indicated, unless already accomplished.

To prevent possible failure at the cage cover of a bearing in the tail rotor transmission or the intermediate gearbox due to production-related cracks, accomplish the following.

- 2.1 After the effective date of this AD, inspect the magnetic plug of the tail rotor transmission and intermediate gearbox listed in table 1 before every first flight of the day in accordance with Kawasaki Service Bulletin No. KSB-117-210 or later JCAB-approved revisions (hereinafter, referred as

SB).

2.2 If the magnetic plug of the tail rotor transmission and intermediate gearbox listed in table 1 installed on helicopter, inform Kawasaki Heavy Industries, Ltd. (KHI) of part number and serial number, and if necessary the name and address of repair station, in accordance with SB. Except that KHI finds the affected bearings are not installed, remove affected parts from the helicopter by September 30, 2003.

2.3 In case that KHI finds the affected bearings are not installed, and that the affected bearing is inspected and, if necessary, replaced in accordance with SB, inspection interval for magnetic plug described in 2.1 of this AD returns to the interval described in the Maintenance Manual.

2.4 After the effective date of this AD, affected bearings listed in table 1 in stores shall not be installed in the tail rotor transmission nor intermediate gearbox. Affected bearings in stores have to be sent to KHI in accordance with SB.

2.5 In case that affected tail rotor transmissions and intermediate gearboxes listed in table 1 are in stores, inform KHI of part number and serial number, and if necessary the name and address of repair station, in accordance with SB. The affected tail rotor transmissions and intermediate gearbox shall not be installed on the helicopter after the effective date of this AD until KHI finds the affected bearings are not installed or until affected bearing is inspected and, if necessary, replaced in accordance with SB.

2.6 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 July 16, 2003.

3.2 Kawasaki Service Bulletin No. KSB-117-210 dated May 22, 2003 and later JCAB-approved revisions, and LBA AD 2003-161 pertain to this

subject.

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