

KOKU-KU-KI-59

No. TCD-9959-2022

Date of Issue: May 12, 2022

Japan Civil Aviation Bureau

TAIKUSEI-KAIZEN-TSUHO

Airworthiness Directive

The undermentioned examinations or modifications are mandatory.

1. Applies to: Kawasaki BK117 C-2 helicopter.

2. Compliance is required as indicated, unless already accomplished.

To prevent loss of control of the helicopter due to friction in the flight control flexball cable (hereinafter referred to as flexball cable) which were not in compliance with the approved design, accomplish the following.

2.1 Before the next flight after the effective date of this AD, confirm the record of the flexball cable replacements on or after November 22, 2021 in accordance with the instructions of Kawasaki Service Bulletin No. KSB-117-474 or any further JCAB approved revision (hereinafter referred to as SB).

2.2 If, during the confirmation as required by paragraph 2.1 of this AD, the flexball cable has been replaced or it cannot be determined that the flexball cable was not replaced, before the next flight, inspect the serial number of the flexball cable in accordance with SB.

2.3 If, during the inspection as required by paragraph 2.2 of this AD, the serial number of installed flexball cable is listed in Table 1, or cannot be identified, before next flight, replace the flexball cable in accordance with SB.

Note 1: If an affected flexball cable is installed, one ferry flight to the maintenance center is allowed.

Table 1 – List of affected serial number

Part Number	Nomenclature	Affected serial number
78CF9919	Flexball Cable (Longitudinal Axis)	From 1666 to 1702 inclusive
78CF9262	Flexball Cable (Collective Axis)	From 1609 to 1658 inclusive
78CF9920	Flexball Cable (Lateral Axis)	From 1637 to 1656 inclusive
78CF10009	Flexball Cable (Yaw Axis)	From 1147 to 1167 inclusive

2.4 For the flexball cables not installed on helicopters, inspect the flexball cable in accordance with SB before the next installation after the effective date of this AD, or August 31, 2022, whichever comes first.

2.5 If, during the inspection as required by paragraph 2.4 of this AD, the serial number of the flexball cable is listed in Table 1, accomplish the applicable actions 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 May 17, 2022.

3.2 Kawasaki Service Bulletin No. KSB-117-474 dated May 12, 2022 and later JCAB approved revisions pertain to this subject.