

Instructions for Use

Watchkeeper Propeller Blade Damage Tracker - MOD Form 704C(Watchkeeper)

1. General.

- This form is used to record all damage to the WK Propeller assembly. The form(s) is/are to accompany the propeller when removed from an airframe to their next place of fitment/repair. Each propeller will have a minimum quantity of one form at all times, with extra forms being added and numbered when required.
- At the fitment of the propeller to a UAV, the relevant header details (Propeller Serial Number and Sheet Number) are to be completed by the Maintainer signing for the activity, if not already completed.
- Refer to AP 101B-7901-1A WK TUAV (IETP) for damage limits, these can be found within Data Module WATCHKEEP0MK1-RPA-CAH-10-00-0000-661A-A

2. Recording of Damage.

- Any instance of "in limits" damage is to be recorded on the MOD Form 704C(Watchkeeper). Any damage outside of the permissible limits are to be recorded within the MOD Form 700C and reported iaw current procedures.
- Each instance of "in limits" damage is to record the following:
 - Each damage occurrence is to have its own Serial Number.
 - Zonal Area of Damage.
 - SNOW identifying the original finding.
 - Type of Damage.
 - L = Length of Damage (mm).
 - D = Depth of Damage (mm).
 - W = Width of Damage (mm).
 - Location S = Spanwise loaction of the damage as measured from the hub (mm).
 - Location C = Chordwise location of the damage from the top edge of the blade (mm).

(10) Damage should be added to the diagram at the bottom of the MOD Form 704C(Watchkeeper) as per the example below with a circled Serial Number connected to the approximate location of the damage by a ruled line.

(11) Damage should be recorded with reference to the left and right blades. These are defined when the propeller is set in the horizontal position and the propeller serial (marked in red on the diagram) is at the bottom when viewed from the rear of the AV.

3. Recording Example.

Serial 01: Zonal Area: **Zone 1** Original SNOW: **0123** Type of Damage: **Scratch** L: **5**
D: **0.3** W: **0.5** Location: S: **205** C: **20**

