

Field Service Bulletin

FSB Number: FSB-00003

Revision: A

Date: 5/25/2023

Description: Troubleshooting high vibration caused by rotor arm damage in the Golden Eagle MK1 and Teal 2.

Priority: Safety Critical Mission Critical Informative

Purpose: Damaged rotor arms cause vibration in The Golden Eagle MK1 and Teal 2. This document reviews how to troubleshoot high vibration caused by rotor arm damage.

Action: Preserve and maintain the propellers to reduce instances of vibration.

To preserve the condition of the rotor arms:

- Perform a detailed inspection of the rotor arms during pre and post flight inspections as described in the Operator Manual.
- Immediately replace damaged and misshapen rotor arms.
- Replace rotor arms every 30 hours of operation or every 100 flights,
- whichever comes first.

IMPACT

System Safety Impact:

Damaged rotor arms can cause vibration in The Golden Eagle MK1 and Teal 2. This vibration can present during flight or immediately after arming the aircraft.

Mitigation:

If the sUAS experiences high amounts of vibration, check the condition of the rotor arms.

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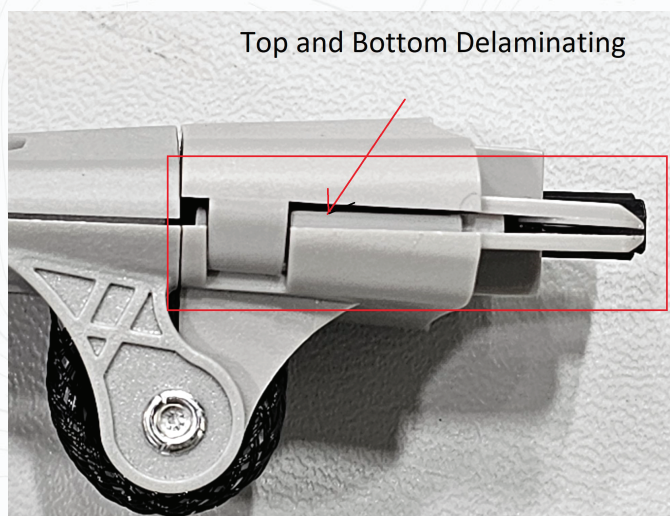
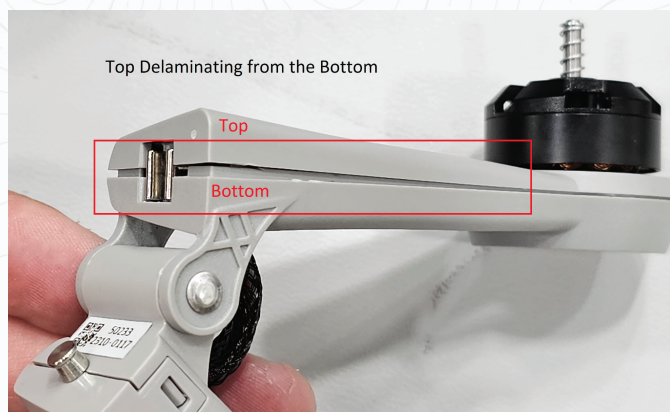
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Check for:

- Damaged rotor arms.



- Delaminated rotor arms.



- Cracked rotor arms.

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Airworthiness Impact: High amounts of vibration cause:

- Corrupt data in the Inertial Measurement Unit (IMU)
- Decrease in performance
- Uncontrolled flight

CONTACT SUPPORT:

Contact Teal Drones Technical Support, Program Manager, or other point of contact for further information.

Teal Drones Technical Support: (385) 281-8415 | support@tealdrones.com

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