Field Service Bulletin

FSB Number: 6000130

Revision: B

Date: 6/10/2024

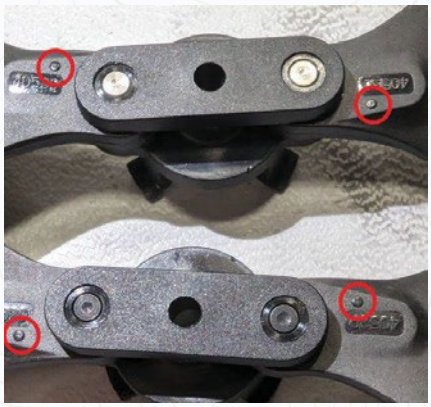
Description: New Teal 2 carbon filled propellers are not compatible with old glass-filled nylon propellers

Priority: ☐ Safety Critical ☐ Mission Critical ☒ Informative

Purpose: The new carbon filled propellers are stiffer than the old glass-filled nylon propellers. Using the older propellers mixed with the new carbon filled propellers on the same AV during flight causes poor flight performance.

As of 1/10/2024, the carbon filled propellers ship with all new orders. Carbon filled propellers are identified by dots stamped near the part number. The nylon propellers do not have this dot. See photo below.

New Carbon-Filled Propeller



Old Glass-Filled Propeller

Action

Do not fly with a mixture of the new carbon filled propellers and the old glass-filled nylon propellers. Fly with one type of propeller, and do not mix them. Mixing different types of propellers causes poor flight performance.

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IMPACT

System Safety Impact: Unmitigated - Using nylon and carbon filled propellers on the same aircraft decreases flight performance.

Mitigation: To identify carbon filled propellers, look for dots stamped near the part number on the propeller hub.

Airworthiness Impact: Flight performance decreases when nylon and carbon filled propellers are used on the same aircraft during flight.

To preserve the condition of the propellers:

- Remove the propellers from the motors before storing and transporting the AV.
- Perform detailed inspection of the propellers during pre- and post- flight inspections as described in the Operator's Manual.
- Immediately replace damaged or misshapen propellers.

For more information on Propellers:

https://tealdrones.com/wp-content/uploads/2023/08/FSB-00004.pdf

AFFECTED PRODUCTS:

Teal Part Number	Description	Applicable Serial #s, Lot #s, Date Codes, Revs
50242 50243	**SP-PROPCW-20PK-50242** PROPELLER CW 20 PACK of 50242 **SP-PROPCCW-20PK-50243** PROPELLER CCW 20 PACK of 50243	

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CONTACT SUPPORT:

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

TEAL DRONES TECHNICAL SUPPORT

For further information or to submit an RMA, please contact Support.

TEALDRONES.COM/SUPPORT

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