

# UNAPPROVED PARTS NOTIFICATION

Aircraft Certification Service



**FAA**  
Aviation Safety

No.: 2022-S20210727018

Date: 11/21/2022

<http://www.faa.gov/aircraft/safety/programs/sups/upn>

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## AFFECTED PRODUCTS

Mooney International Corporation (Mooney) M20 series aircraft with Landing Gear Down Lock Blocks and/or Up Lock Blocks that were manufactured by Dynacoil, Inc. as a supplier to GDS Aero, LLC, and distributed by David Staffeldt as “Owner-Produced Parts” to replace Mooney part number (P/N) 5040 Down Lock Blocks and P/N 5041 Up Lock Blocks.

## PURPOSE

This notification advises all aircraft owners, operators, manufacturers, maintenance organizations, parts suppliers, and distributors of Mooney Landing Gear Down Lock Blocks and Up Lock Blocks manufactured by Dynacoil, Inc. and GDS Aero, LLC, and distributed by David Staffeldt that these products do not have Federal Aviation Administration (FAA) production approval.

## BACKGROUND

Information discovered during an FAA Suspected Unapproved Parts (SUP) investigation revealed that between early 2020 and early 2021, Dynacoil, Inc., located in Zion, IL, and GDS Aero, LLC, located in Burlington, WI, produced Landing Gear Down Lock Blocks and Up Lock Blocks for Mooney M20 series aircraft. These parts were represented as “Owner-Produced Parts” and then sold to various Mooney aircraft owners without an FAA production approval. Dynacoil, Inc. and GDS Aero, LLC are not FAA production approval holders for Mooney P/N 5040 Down Lock Blocks and P/N 5041 Up Lock Blocks replacement parts. The production of these parts does not meet the FAA requirements for “Owner-Produced Parts.”

The parts produced by Dynacoil, Inc. and GDS Aero, LLC, and distributed by David Staffeldt may have these characteristics:

- The parts may have a black anodized finish.
- The parts do not have any FAA airworthiness approval documentation.
- The associated parts documentation may reference P/N 20M116 for the Down Lock Blocks and P/N 20M115 for the Up Lock Blocks.
- The parts are not marked with the letters “FAA-PMA,” manufacturer’s name/symbol, or part number.

**RECOMMENDATIONS**

FAA regulations require that type-certificated products conform to their FAA-approved type design and be in a condition for safe operation. The FAA encourages aircraft owners, operators, manufacturers, maintenance organizations, parts suppliers, and distributors to inspect their aircraft and/or aircraft parts inventory for the referenced parts or part numbers. If these parts are found in existing inventory or installed in an FAA type-certificated aircraft, the FAA recommends that they be quarantined to prevent installation or use until a determination can be made regarding their eligibility for installation, or replaced with FAA-approved parts.

**FURTHER INFORMATION**

You may obtain further information concerning this investigation from the FAA Manufacturing Inspection District Office (MIDO) Section below. In addition to the above recommendations, the FAA would appreciate any information concerning the discovery of the above referenced parts from any source, the means used to identify the source, and the actions taken to remove the parts from the aircraft and/or parts inventories.

This notification originated from the FAA Minneapolis/Chicago MIDO Section, 6020 28th Avenue South, Room 103, Minneapolis, MN 55450, Telephone (612) 253-4650.