

17 March 2021

## LETTER OF AUTHORIZATION

Overview: This letter authorizes modification of the subject aircraft, as specified below, through the addition of counterweights to the propeller gearbox. The objective of this modification is to ensure that the aircraft center of gravity remains within the specified weight and balance envelope, at both maximum fore and maximum aft loading, at all fuel levels from full to empty.

Aircraft: NG-5 Bristell S-LSA, s/n 093/2014, registration N593BL  
Total Flight Time: 185 hours

We authorize Prof. H. Paul Shuch, 3550588 LSRM-A, or any other aviation maintenance technician with equivalent appropriate ratings, to perform the following modification to the abovementioned aircraft:

Install upper counterweight of 6.6 pounds at station -36.5 inches, and lower counterweight of 15.7 pounds at station -30.0 inches, both measured with respect to the firewall, by attachment to existing mounting holes on the Rotax engine gearbox, utilizing standard AN hardware screws, washers, and locknuts of appropriate size

under the conditions as follows:

- The installation(s) must comply with ASTM Standard-F2245-04, Specification for Design and Performance of a Light Sport Aircraft
- The installation(s) to be done in accordance with best practices and procedures outlined in current Rotax and BRM Aero maintenance manuals
- The installation(s) must be tested for non-interference with aircraft controls, components, or function
- The alteration must be recorded in the Airplane Log Book
- Aircraft Weight and Balance data must be updated to reflect new Empty Weight and Empty Center of Gravity

Signed: \_\_\_\_\_



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