

December 5, 1930.

Chevrolet Aircraft Corporation,
Baltimore, Maryland.

A
Attention: Mr. Louis Chevrolet

Dear Sir:

We understand from conversation with your Mr. E.C. Burghduff that we can obtain one of your engines in the near future for installation in our new small Autogiro. We also understand that it will be possible to have an up-draft carburetor installed on this engine, instead of a down-draft carburetor. We would greatly appreciate this change as in a climbing attitude with the gas tank located in the fuselage we will not have any head when the tank is nearly empty. Therefore, the few inches of head gained by the installation of the up-draft carburetor will be of distinct value. If there are any particular fire hazards encountered by the installation of the up-draft carburetor, we would appreciate your recommendation as to how to minimize these.

We understand that you are now preparing an engine for us with cylinders drilled and taped for installation of the Heywood Starter. We also understand that you have been in direct communication with Mr. Joseph S. Pecker, on the installation of the rotor blade starter and Heywood engine starter and we trust that a satisfactory arrangement has been worked out between you.

In the installation of your engine we are inclining the centre line of thrust 6 to the datumline of the fuselage so that the propeller end of the engine is several inches lower than the accessory end. This inclination is a necessary part of the installation of your engine in an Autogiro. We mention this fact so that you may be prepared to deal with it in case it should complicate your lubrication problem, especially the return of the oil from the propeller end of the engine to the oil pump.

We would appreciate it if you would ship the propeller hub of the above mentioned engine directly to Hartzell Propeller Co., Piqua, Ohio. So that they may use it as a jig for drilling hub and bolt holes in the two wooden propellers that we are ordering from this company.

Looking forward to an early delivery, we are

Very truly yours,
Pitcairn Aircraft, Inc.

W. C. C.
Walter C. Clayton,
Assistant Engineer.