

SERVICE



LETTER

Service Letter No. 229

October 7, 1954

SUBJECT: Balancer for the Hartzell HC-82XG-2 Propeller on the PA-23 Apache

TO: All Distributors, Dealers and Maintenance Shops

There has been a special Propeller Balancer designed and built by the Elliott Flying Service of Davenport, Iowa, for the Apache propellers. This balancer is of the suspension type and when it is attached to the propeller, it holds the propeller in an approximate cruise pitch for the balancing operation. It is very sensitive and shows the slightest bit of out of balance.

There is also another fixture which Elliott has developed known as a Propeller Table Arbor. This arbor is necessary to bolt the propeller to so that the propeller can be assembled and disassembled. While it is on this arbor mounted to the table, the blade angle is checked against the high speed stops. Regulated air pressure is used to change the pitch and check smoothness of operation.

The price of the Elliott Balancer and the Arbor, as a kit, is \$250.00 less 20% discount, provided we can give an order to Mr. Elliott for thirty-five (35) or more units. Any quantities ordered under thirty-five (35) will necessarily raise the price.

The Piper Aircraft Corporation has witnessed the operation of these units and heartily indorses them. The actual balancing procedure takes approximately five (5) minutes and it is astoundingly accurate.

The Hartzell Propeller Company is vitally interested in the new Elliott Balancer and Table Arbor and intimates that they would indorse both units.

It will take approximately three (3) months to get the first units delivered and in order not to delay this worthwhile project, it is requested that self-addressed and stamped card be returned as soon as possible.

The Elliott Propeller Balancer and Arbor is a must for shops that expect to give the ultimate in service to Apache Owners.

Very truly yours,

PIPER AIRCRAFT CORPORATION

Rolland Boardman
Rolland Boardman, Service Manager

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PIPER AIRCRAFT CORPORATION, LOCK HAVEN, PA., U. S. A.