

SERVICE

Service Letter No. 110



LETTER

December 1, 1947

To: All PA-12 Owners

Subject: PA-12 Carburetor Air Box Replacement Kit

A Kit is now available to provide replacement of the standard PA-12 Carburetor Air Box with a Ram-type Box which improves the efficiency of the engine operation which results in an appreciably higher rate of climb for the airplane.

The Ram-type Box Kit, Piper Part No. 750 849, consists of the following parts, and is available through your Piper Distributor or Dealer at \$40.00.

1. Ram-type Air Box, Piper Part No. 11502-00
2. Bottom Cowl, Piper Part No. 11495-03
3. (4) Air Box Attachment Studs, Piper Part No. 10836-02
4. (4) Filter-to-air box attaching bolts AN3-17 and
(4) Elastic stop nuts No. 22M02
5. Filter-hole cover plate, for left front baffle, Piper Part No. 11533-00.

The replacement instructions are as follows:

1. Remove standard bottom cowl, carburetor air box, and fibre spacer block. Save one gasket for the new installation. (See Fig. 1 on opposite side.)
2. Remove filter and box from left front baffle, and cover hole with Part No. 11533-00, using the (2) original filter attaching screws.
3. Cut attaching lugs from filter unit and drill for attachment to new carburetor air box. Filter frame should be drilled from each side, as the filler has a tendency to wind up on drill bit. (See Fig. 2 on opposite side.)
4. Install new carburetor air box, using the shorter studs provided in Kit, with gasket between the box and carburetor. Attach the carburetor heat control, making certain that the full travel of the air box valve is obtained. It may be necessary to increase the length of the Bowden Wire control in the engine compartment by taking some of the slack out of the portion in the cockpit.
5. Attach filter to new carburetor air box with bolts provided.
6. Remove cabin air take-off fitting from original cowl and attach to new bottom cowl. Install new bottom cowl and connect flexible aluminum tubes.

Cover this installation with C. A. A. form No. 337, making appropriate entry in Aircraft Log Book. Weight change is negligible.

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

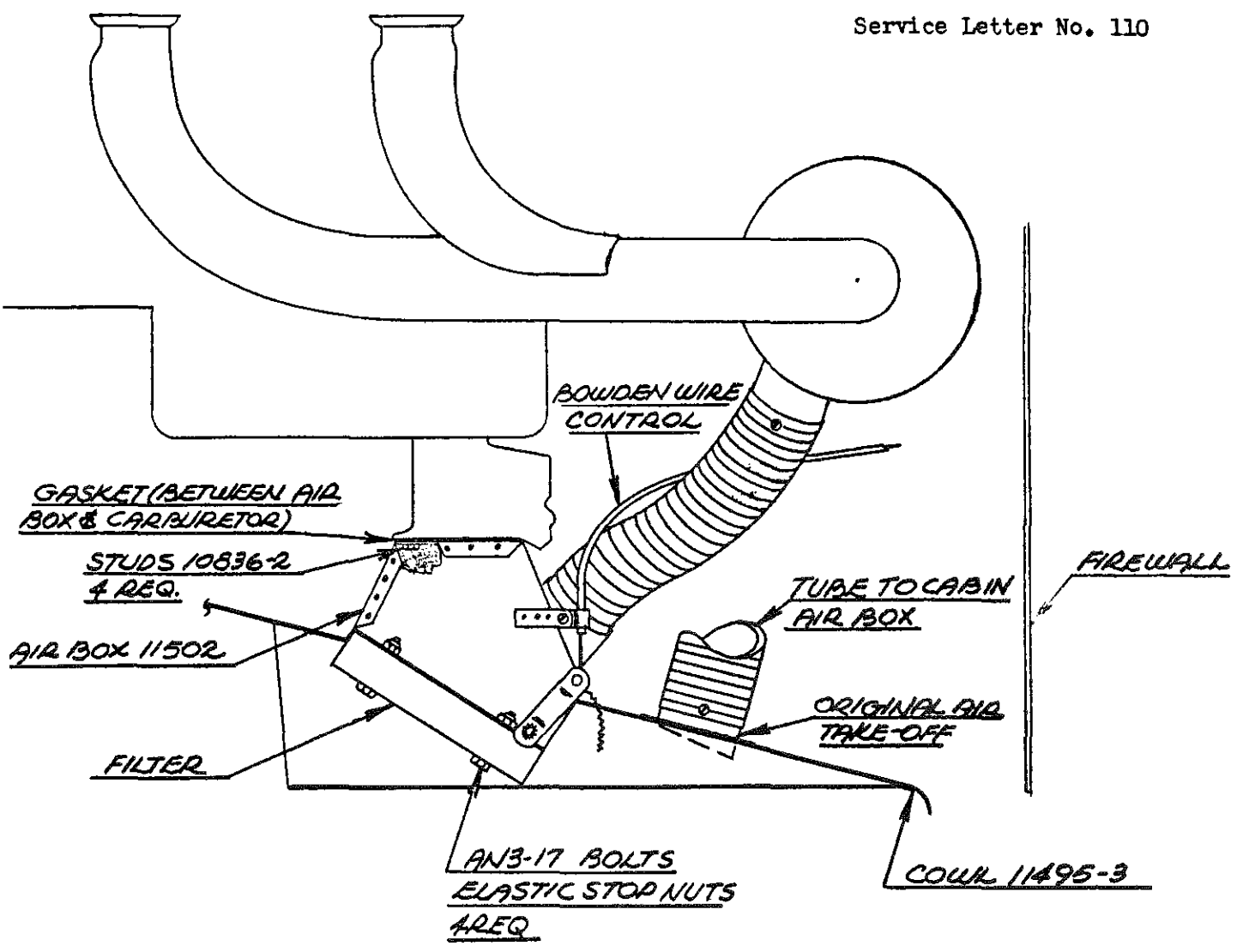


FIG. 1

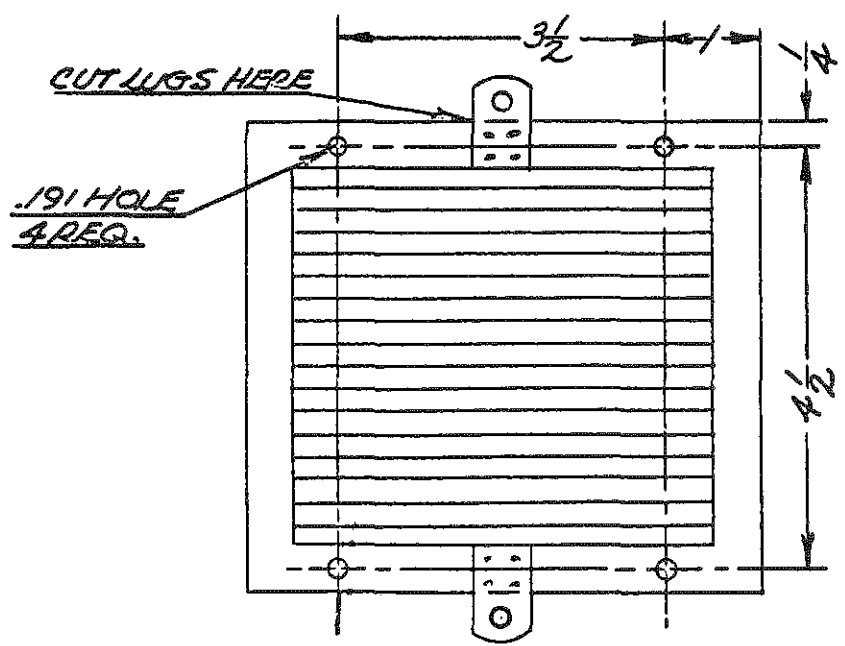


FIG. 2