



SERVICE BULLETIN

No. 214

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

April 19, 1963 M

SUBJECT: Removal of Vanes from Throat of Carburetor Air Box

MODELS AFFECTED: PA-23-250 Aztecs, Serials 27-1 to 27-504 inclusive
PA-23-235 Apaches, Serials 27-505 to 27-550 incl., 27-552,
27-553, 27-555, 27-557 and 27-558
PA-23-250 Aztecs (six place), Serials 27-2000 to 27-2307 incl.,
27-2309 to 27-2315 incl., 27-2320, 27-2321, and 27-2324 to
27-2328 incl.

COMPLIANCE DATE: Prior to but not later than the next 100 hours of operation

A few reports have been received by the Service Department indicating that cracks have occurred in the vanes located in the throat of the carburetor air box, part number 16463-00. There have also been a few instances where a piece of the vane has broken off and lodged in the carburetor, causing a reduction in engine power.

The removal of the vanes will not affect engine operation, therefore, they are to be removed from the air box on aircraft, serial numbers listed above.

Refer to the reverse side of this bulletin for information and instructions concerning the removal of the vanes.

A Warranty and Credit Claim may be submitted for one (1) hour of labor.

(over)

The vanes may be removed in the following manner:

1. Remove the carburetor air scoop assembly.
2. Remove the carburetor air filter.
3. Remove the clamp at the carburetor air box end of the carburetor air filter coupling. Compress the coupling and lay it on the top of the box.
4. With a blunt bladed tool, such as a wide blade screw driver (do not use a chisel), gently tap each side of the vanes at the welded attachment point until it breaks loose from the air box throat. (Due to the softness of the metal vanes they will generally break clean. However, be certain that there are no ragged edges left in the throat and that all particles of metal have been removed from the area.)

NOTE

Exercise caution when removing the vanes so as not to damage the carburetor air temperature bulb.

