

IMMEDIATE ACTION

SERVICE



BULLETIN

NUMBER 163A (Supersedes Number 163)

July 7, 1958

SUBJECT: Fusing of Cigar Lighter Circuit

MODELS AFFECTED: PA-20 Serials 20-1 to 20-1121 inclusive and PA-22 Serials 22-1 to 22-6011 inclusive, 22-6013 to 22-6036 inclusive, 22-6038 to 22-6048 inclusive, 22-6050 to 22-6053 inclusive, 22-6056, 22-6058 to 22-6064 inclusive, 22-6066, 22-6067, 22-6071 to 22-6073 inclusive, 22-6079, 22-6080, 22-6082, 22-6084 and 22-6087

We would like to advise that the fuse in the cigar lighter on the above mentioned aircraft is of a thermal type only. Its purpose is to open the electrical circuit in the event the unit should fail to "pop out" and remain connected to the source of power. Under these conditions the heat generated by the lighter unit will melt the integral fuse and thus open the circuit. This fuse will not protect against a short circuit condition.

A short circuit in the lighter unit itself or in the lead to the unit will result in the blowing of the master fuse. When this occurs the usual reaction is to switch to the spare fuse which will also blow. All sources of power are then disconnected and the accessories will become inoperative.

It is deemed necessary that an additional standard fuse (15A Bussman #AGC-15) be installed in the wire between the cigar lighter and the ammeter at the next 100 hour inspection.

End.

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