

SERVICE BULLETIN 68

SUBJECT: CABIN HEAT BOX GASKET

APPLICATION: Service Bulletin 68 applies to the cabin heat box flapper valve gasket.

DESCRIPTION: The existing gasket material is a 1/16" thick sheet of Fiberfrax, which is made of ceramic fibers. The inherent risk with Fiberfrax is that fiber particles can be detached from the Fiberfrax gasket and carried to the cabin by the inlet air circulation in the heat box. Like any airborne fibrous particles, Fiberfrax can cause eye, skin, and respiratory irritation. There is some concern that large doses of Fiberfrax may be carcinogenic. (A "large dose" being more than the entire volume of the Fiberfrax gasket!)

SOLUTION: To prevent airborne Fiberfrax particles from entering the cabin, we suggest that the Fiberfrax be replaced with a 2 x 2.5 inch piece of Sil-Temp (SR188), which is a high temperature, non-asbestos, fire retardant material. This material is rated to temperatures above 2000° F. The new gasket material can easily be adhered to the flapper valve plate with any high temperature silicon sealant.

The heat box must be removed from the aircraft and disassembled by drilling out the pop rivets. Remove the Fiberfrax gasket and replace with the Sil-Temp material. Re-assemble the heat box and fasten with pop rivets. Check for a flat seal and normal operation. (Sil-Temp, like the Fiberfrax, does not provide an air-tight seal, but guards against fire.) Reinstall the heat box into the aircraft.

Contact us if you wish to purchase this material to retrofit your cabin heat box seal. A 3" x 3" piece of Siltemp (Stock No. 270-0188-001) will cost \$1.50.


STODDARD-HAMILTON
AIRCRAFT, INCORPORATED

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