

REPUBLIC AVIATION CORPORATION
FARMINGDALE, LONG ISLAND, NEW YORK
• • • SERVICE DEPARTMENT • • •

April 13, 1948

No. 55

SEAM WELDED WING FLOATS

A few failures of the Wing Float Seam Welded Flanges have been reported to us which have undoubtedly been caused by inordinately hard landings in water or when the Seabee has landed under abnormal and unsafe operating conditions not considered in its design. These resulted in sudden changes in water loads on the floats, which flexed the welded seams and eventually permitted them to separate.

It is recommended that if your Seabee has been subjected to either of the above conditions, an inspection be made and any open seams repaired with AN456-AD4 rivets, using a one-half inch pith extending one inch beyond the ends of the split after applying Zinc Chromate Compound in the crack.

As a precautionary measure and in order to eliminate the possibility of future failures of these assemblies from the same causes AN456-AD4 rivets, with a two inch pitch, may be placed as indicated in the sketch shown below.

W. H. Ehmann
Service Manager

