

AIO

Online Technical Resource

Comments on reservoir gussets

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Kimball style gussets: Kimball did not use "butterflies" (with the subsequent leather buildup in the inside gusset corners). They cut the gussets in such a way as to give a tab the width of the center hinge. This eliminates the insufficient seal with the normal cut gusset, and gives at least a 1/2" seal on the rib throughout the center hinge area. Toe patches look pretty, but cause another point of friction and wear. (I've heard these called "dots" and "footballs"- ed.) However, Wurlitzer did not use a full gusset, and relied on a patch to seal their corners.

The Swell Shade Motor leather sold by Organ Supply makes wonderful, workable gussets. It has the feature of being entirely water washable, and does not ruin the surface when washing off excess glue. We've had one instance on a vertical reservoir where a roof leak lasted long enough to completely wash off one of these gussets, and loosen the lower corner on one edge. Things were put back with hot glue again. Two weeks later the same thing happened, and the gussets were again reglued. Unbelievably, the gussets remained supple, and are still serving six years later (1997-ed.) with no visible loss of strength or texture.