

# Limits of Patch Repairs of Panel Sheets - Part II -



In paragraph **Repairs/Repairs of Side fwd. etc.** /item c) Aluminium panels of the CMMs we have described the shape, the size, the hole pattern of these patches and the way how they have to be attached, incl. approved materials.

Again, that means that there are no limits for patch repairs regarding their quantity, size and location except of economical reasons.

## Below pls. find some explanations

### 1. Quantity of patches (for sheet repair)

The **quantity of patches** per sheet is **not limited** as long as they are acc. to paragraphs *Inspection* and *Repairs* in the CMMs.

- e.g.: 1<sup>st</sup>. repair → unit comes back with 2 ea. holes  
→ damage Class II → 2 ea. patches
- 2<sup>nd</sup> repair → unit comes back with 3 ea. holes  
→ damage Class II → 3 ea. patches  
→ **Total of 5 ea. patches**

and so on ....

### 2. Size of patches

There is **no limitation** to the **size of a patch**, except economical reasons.

Acc. to our manuals, the patch should have an overlap of 20 mm (0.78") over the drilled and cut hole/crack and it should be attached in a proper way.

### 3. Location of patches

There is **no limitation** to the **location** of a patch:

- patch adjacent to patch → allowed
- patch in a patch (on top) → allowed
- patch overlaps another patch → allowed, as long as the rivets of the first patch in that area are removed, both patches have to be attached together
- patch within the sheet border area → allowed, but if the patch is within an area where the sheet is attached to the frame by means of rivets, nuts & bolts or lockbolts, the patch needs to be attached to the frame by min. 2 ea. rivets, nuts & bolts or lockbolts.

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