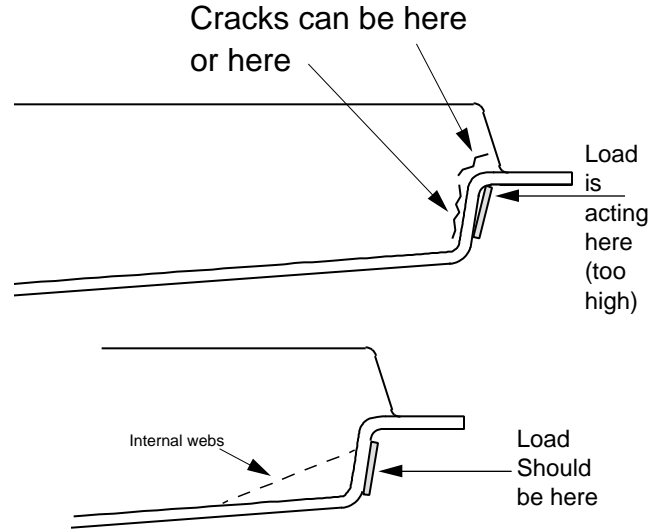


# F-24 MK II BEAM TOP INNER END REPAIR

## Problem

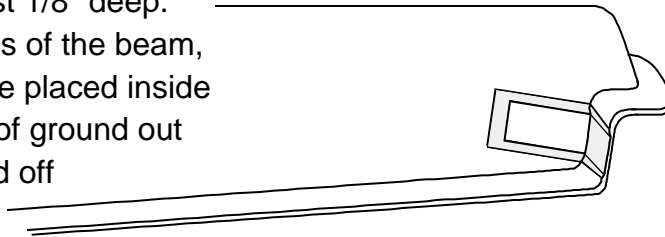
Some F-24 Fwd. Beams have developed cracks in the area shown. These are not considered to be a serious threat to the structural integrity of the beam but should be repaired as shown.

The upper cracks are usually caused by the compression pads being fitted too high creating a point load just under the horizontal flange, or misaligned beams/pads. Once this is corrected, then upper crack can be a normal surface gelcoat repair, with a little glass added to reinforce.

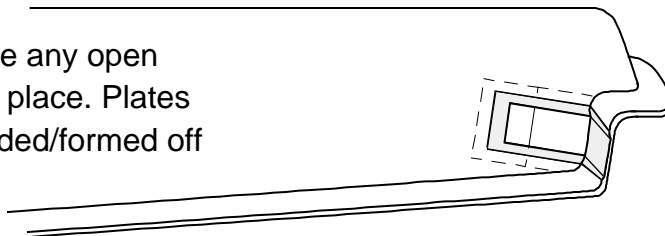


## Repair Procedure

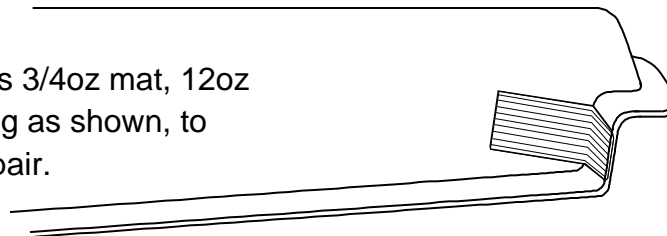
1. Grind out the area shown to at least 1/8" deep. This will probably go through the sides of the beam, where a glass backing plate should be placed inside to laminate against as below. Edges of ground out area should be well tapered/feathered off



2. Fit f/glass backing plates inside any open area, overlapping and bonded in place. Plates can be in two parts and pre-molded/formed off this area on the aft beams



3. Laminate alternate layers 3/4oz mat, 12oz unidirectional, fibers running as shown, to 1/8" thick. Then gelcoat repair.



4. Check that compression pad on beam bears evenly against hull pads. Bearing on top edge only or just one corner can cause the cracks