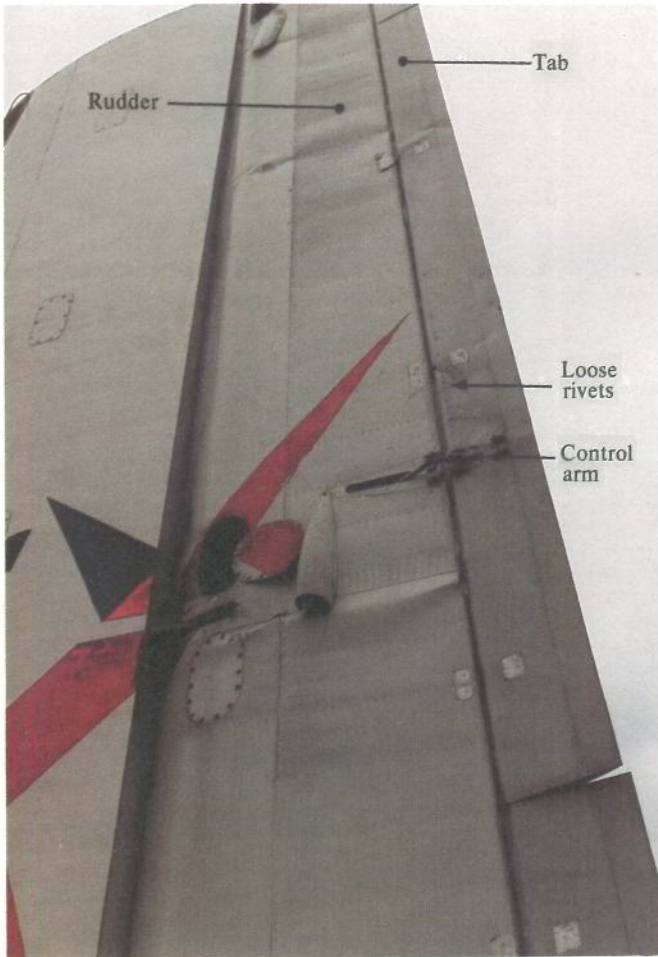




**(i) Overall view of vertical tail surfaces with damaged rudder and trim tab**

**Illustrations of damage to rudder and trim tab**



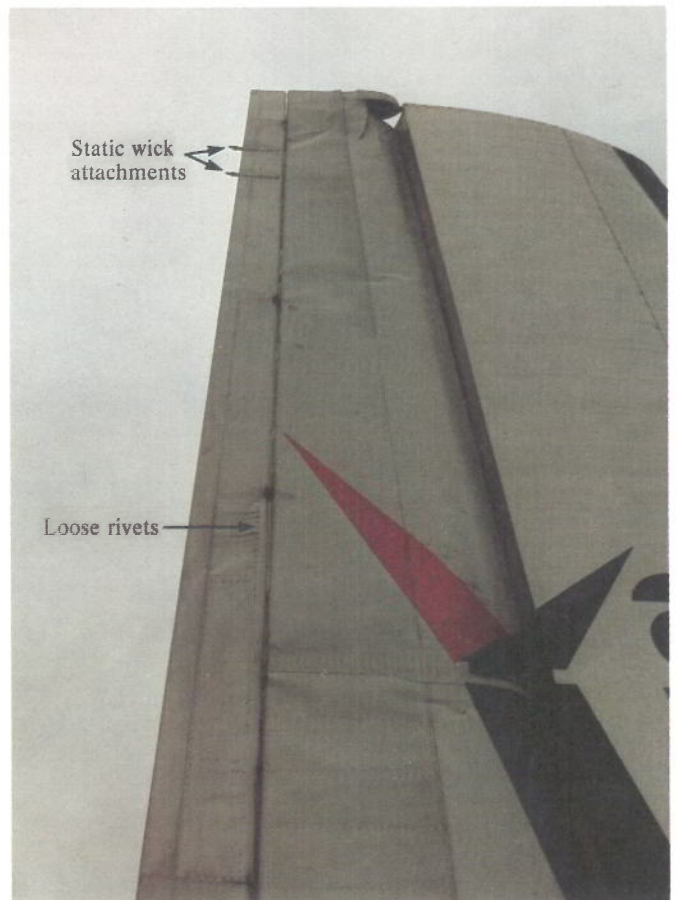
**(ii) Left side of damaged rudder and trim tab showing :-**

- a) Transverse wrinkling of rudder skin, indicating occurrence of reverse lateral bending
- b) Deformation of trim tab, particularly above control arm
- c) Evidence of loose rivets on tab just above control arm shown by dark marking round rivet heads and rearward streaking

**(iii) Right side of damaged rudder and trim tab**

NOTE:-

- a) Broken static wicks indicative of the severity of the flutter
- b) Area of loose rivets below second hinge



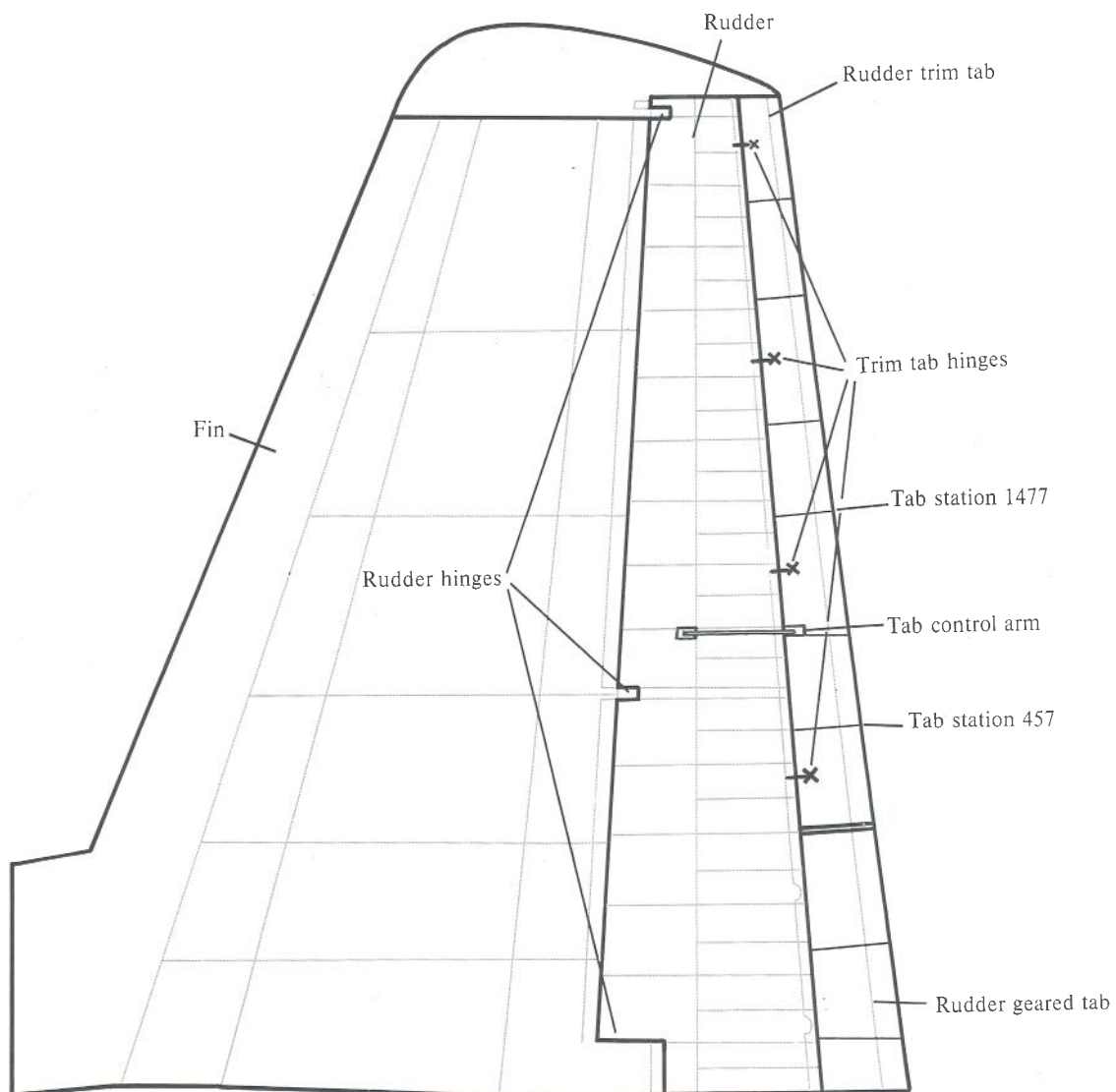


(iv) Damage to rudder structure at top hinge

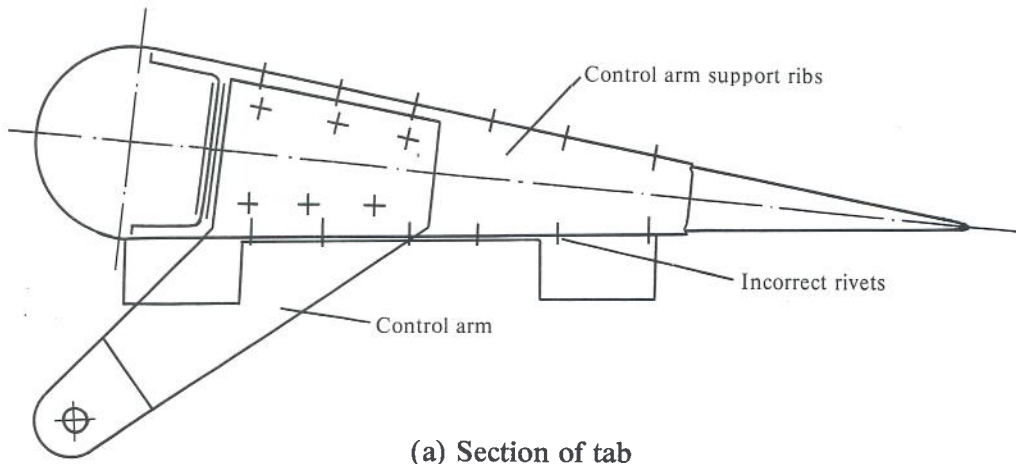
(v) Close view of evidence of rivet looseness

Note cracks in paint finish around rivet heads and characteristic streaking of fretting products away from loosened rivets. Also showing damage at tab hinge cutout due to tab overrotation

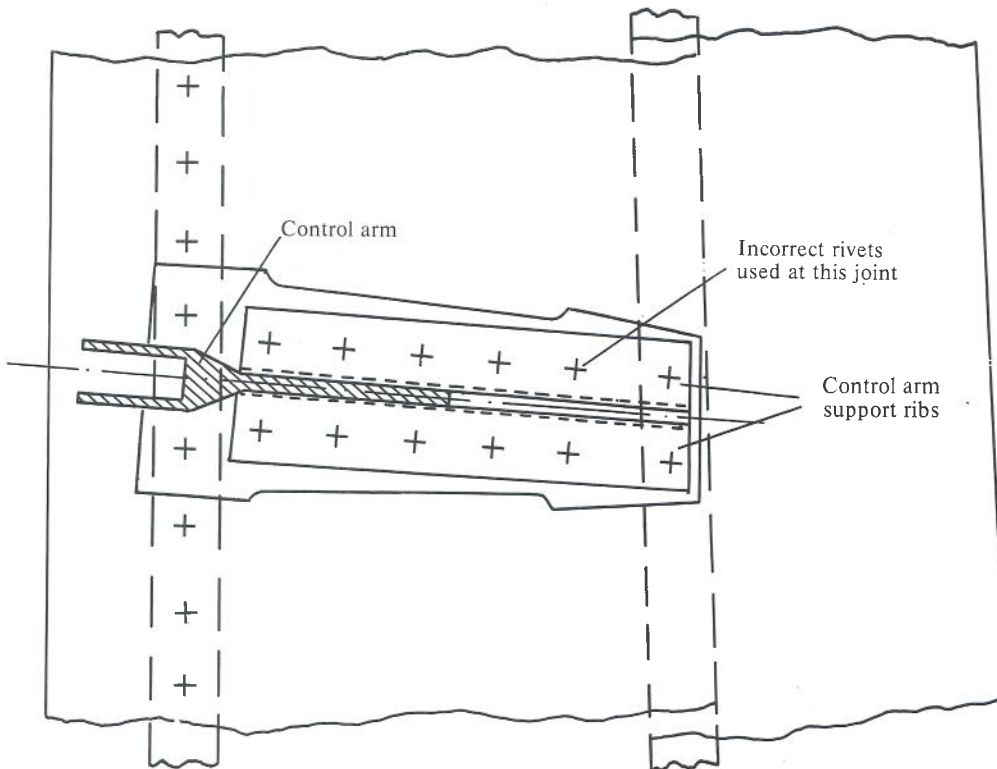




Fokker F27 vertical tail surfaces



(a) Section of tab



(b) View on side of tab