

## Defect Details

Microlight type/model Xair Hanuman MMC

Total Time in Service (hrs) 417 hrs

Defect area Airframe/Engine/Controls/Flying surfaces/Undercarriage/etc

Describe the defect Issue found during a pre flight. Inboard Port rear brace wire and drag link attachment bolt broken at point of shank and thread. The bolt is a cap screw marked TVS 12.9. It would appear that during initial assembly the nut and washer have been wound up hard against the shank. Bolt has broken leaving inner brace and wires floating.

Describe the affect on airworthiness Starboard wing subsequently removed and cover stripped for inspection. Bolt and nut found to be done up to a similar level of tension with obvious signs of marking

Aircraft was grounded immediately on finding these problems. An engineer and IA checked the findings and agreed with our observations. Engineer supplied replacement bolts and washers.

Pictures posted as a separate file.

Remedial action taken Caps screw on both wings replaced with a slightly longer version allowing washers to be used as packers and spacers reducing drag wire tension slightly and allowing for the nut to be done up correctly without bottoming out on the shank.

