



## **Advisory Notice for Titan Tornado Aircraft**

November 22, 2009

### **Inspection required before any further flights**

#### **Affected aircraft:**

- Aircraft that do not have external vertical stabilizer gussets installed

#### **Aircraft not affected:**

- Aircraft that have aerobatic kit with external vertical stabilizer gussets installed

#### **Circumstances:**

Cracks were found in the vertical stabilizer skin near the tail boom and adjacent to the forward and aft vertical spars.

#### **Inspection required:**

Closely inspect the vertical stabilizer skin near the tail boom rivet line and adjacent to both spar rivet lines.

This inspection should be included during every preflight of the aircraft.

#### **Corrective action:**

Obtain vertical stabilizer gusset kit from Titan Aircraft.

Stop-drill the cracks with a 3/32 drill. Drill out the rivets that will interfere with the gusset installation. Match drill the gussets to the original rivet holes. Drill any required additional holes. Prepare the vertical skin and gussets for bonding. Bond with Uralane and rivet the gussets in place. Ambient air temperature should be at least 70° F while the Uralane cures. Allow 24-hour cure time.

Contact Titan Aircraft: 440-275-3205 or email [support@titanaircraft.com](mailto:support@titanaircraft.com) with any questions or concerns.

Best regards,

A handwritten signature in blue ink that reads "John Williams".

John Williams  
President  
Titan Aircraft