

## SERVICE BULLETIN

### Title: XT Series Fuel Tank Inspection

Identification	SB-016
Status	Active
Issue	1
Issue Date	30 September 2013
Applicability	All XT series trike bases inclusive unless previously accomplished.
Compliance	Prior to next flight and incorporated in pre flight inspection.

Issued by: Stuart Coad

Approved by: Rick Duncan – AirBorne Windsports.

Summary of Changes:  
First issue

### ***Introduction***

Airborne Windsports have received reports of cracks in XT aircraft fuel tanks. The cracks have been reported as appearing in the hollow where the mast folds down, near the rear lap seat belts. The cracks reported have ranged from a “reddening” along a line caused by staining from the fuel, to a slow seeping of fuel.

This service bulletin describes inspecting a specific area of the fuel tank. Routine inspection of the fuel tank is also specified in the Maintenance Schedule of the Maintenance Manual at 25 hours, and at every 100 hours, and checking for leaks forms part of the Aircraft Operating Instructions Complete Trike Pre-Flight Inspection.

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**Action**

Comply with the inspection instructions for the aircraft. Notify Airborne Windsports of your findings, along with aircraft serial number and hours. If cracking is suspected, Maintenance Manual Section 28.10.00 Testing the Fuel Tank describes a procedure for testing. Record completion of this Service Bulletin in the aircraft Logbook and Maintenance Manual.

**Skills**

The pilot and maintainer are expected to incorporate this service bulletin as standard practice.

**Tools**

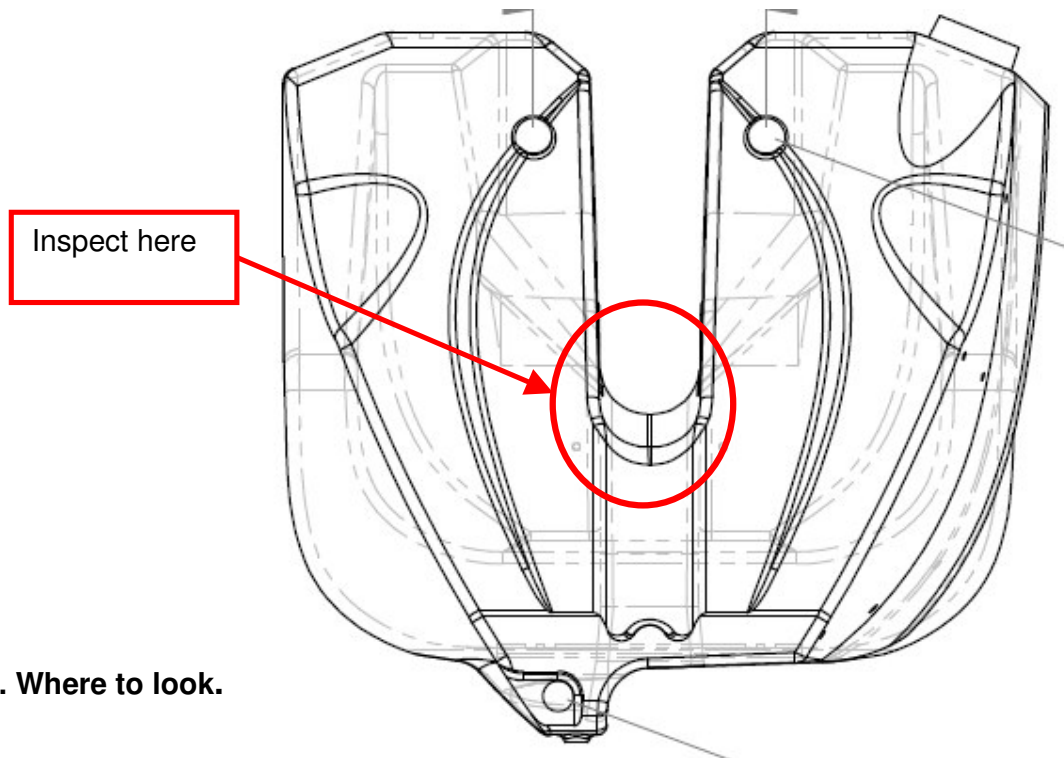
3mm Hex tool required

**Documentation**

The compliance notice at the rear of this document should be filled out, returned to Airborne Windsports and notated in the rear of the applicable XT Maintenance Manual, Appendix A – Condition Inspection Record (as per 5.20.06 Log Book paragraph 2).

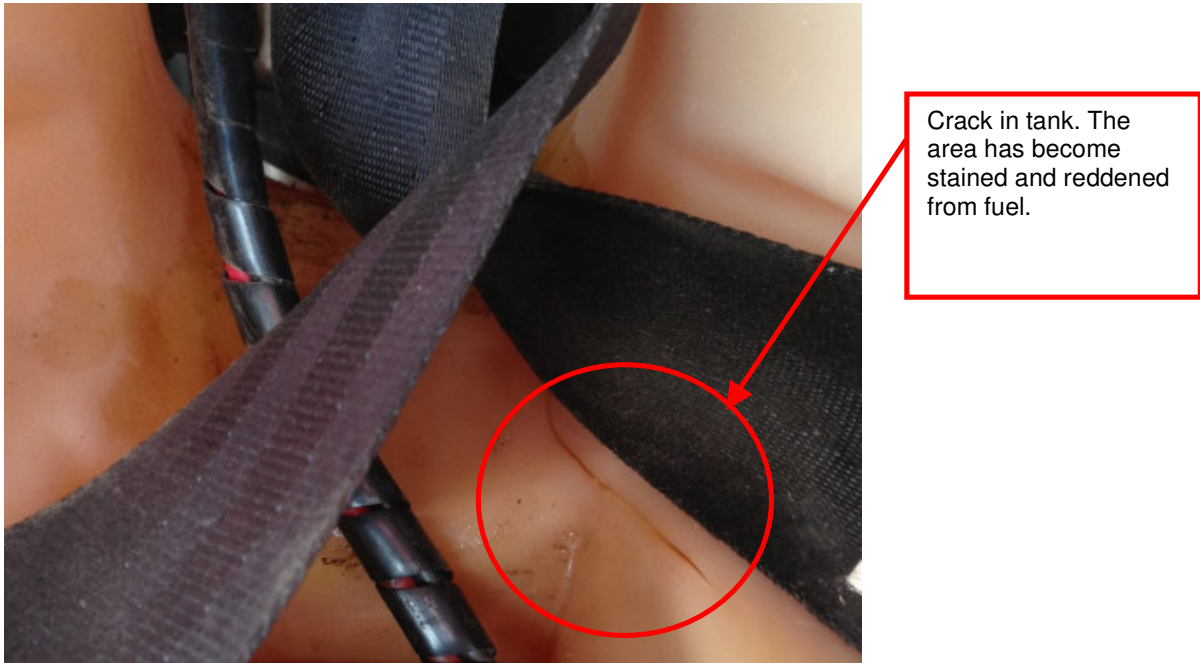
### ***Inspection***

1. Remove the back seat Velcro from the mast.
2. Using the 3mm Hex tool, remove the two screws securing the battery cover (if installed).
3. Remove the battery cover, screws and washers, noting the order of fitting.
4. Inspect the bottom of the U-shaped area where the mast rotates down. Move the seat belts around as you inspect the area to ensure you make a complete inspection. Figure 1 shows the area in detail.



**Figure 1. Where to look.**

5. Look for any cracking or “reddening” or staining of the tank. Figure 2 shows an example.



**Figure 2. Crack in a tank.**

6. On the underside of the soft sides, undo the clip at the rear near the fuel drain, and pull apart the Velcro joining the undersides. Run your fingers along the inside of the bottom of the soft sides feeling for any dampness. **It should be dry and free from fuel.** Any dampness should be further investigated to determine if it's fuel. If it is, double check for cracks in the tank.
7. Re-assemble the aircraft.
8. Complete the Safety Bulletin SB-016 Compliance Notice at the back of this Service Bulletin.
9. Contact Airborne Windsports if cracking is found.

**Safety Bulletin SB-016 Compliance Notice****Aircraft Serial Number**

XT-582-
XT-912-

I/we have completed Service Bulletin SB – 016 for the above aircraft.

I/we observed:	Y/N
No cracking or damage of the tank in the area described in this Service Bulletin.	
Slight cracking of the tank in the area described in this Service Bulletin.	
“Reddening” of the tank in the area described in this Service Bulletin.	
Other/more details:	
I have attached photo(s) of the affected area.	

Signed:	
Print Name:	
Date:	

Once complete, send a copy to AirBorne WindSports via email or fax, and then inset this sheet in rear of the trike base maintenance manual.

***End of Service Bulletin.***