# SERVICE BULLETIN Title: XT Fork Carrier Inspection

Identification	SB-014
Status	Mandatory
Issue	1
Issue Date	January 2013
Applicability	All XT-582 Models
	All XT-912 Models
Compliance	Prior to next flight and then every 100 hrs as per
	Maintenance Manual

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Approved by:	

Summary of Changes		
Issue 1: Initial Issue		

#### Introduction

This Service Bulletin has been issued to ensure that normal maintenance checks are undertaken as per the Aircraft Maintenance Manual.

It has been brought to the attention of Airborne that a Fork Carrier XT– Airborne part # 106916 has been found with significant cracking. The cracking is apparent below the weld bead where the mast support adaptor tube is welded to the steering carrier.

Subsequent investigations have found two other aircraft exhibiting minor cracking of the fork carrier in this position. All aircraft that have been identified to date are from high hour commercially operated training aircraft. Commercially operated training aircraft generally experience more landings than recreational machines, which produce more frequent loading of the fork carrier.

This service bulletin introduces a mandatory Fork Carrier inspection for all XT aircraft in addition to existing maintenance checks outlined in the aircraft maintenance schedule.

## Applicability

The inspection element of this service bulletin extends to all XT aircraft. Any Fork Carriers with any sign of cracks must be replaced immediately.

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## Photograph of cracked component



Figure 1 Cracking shown below weld

#### Action

The area around the mast brace attachment tubing should be thoroughly cleaned prior to inspection

- Clean and inspect the Fork Carrier for cracking.
- A 10 x magnifying glass should be used to aid this inspection.
- Any cracks however small are reason for replacement of the component.
- Repeat this process each 100 hours as required by the Aircraft Maintenance Manual section 5.20.20
- Any cracked components should be reported to Airborne Windsports to aid service history.
- Conduct an inspection according to the checklist (Chapter 20 Standard Practices Airframe).
- Complete a service note in the aircraft logbook.

### Skills

Where allowable by the applicable national airworthiness authority according to the category of registration, the owner / maintainer can incorporate this service bulletin with care.

## Weight and Balance

No change.

## **Tooling**

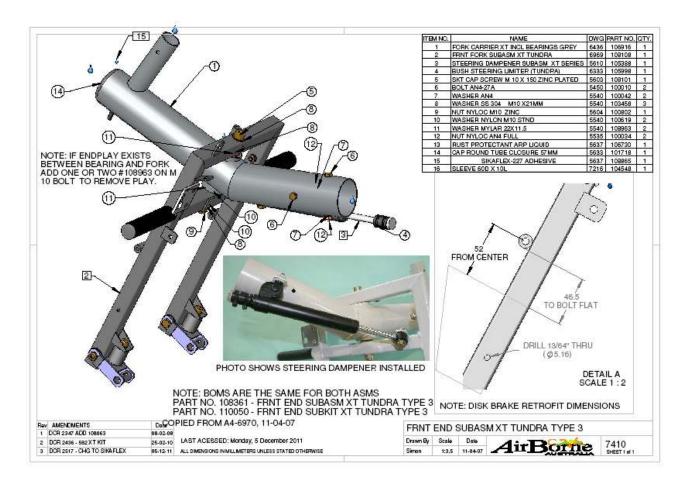
See the aircraft maintenance manual.

#### **Documentation**

Any cracked component should be replaced, dated and noted in the aircraft logbook by the person who performed the maintenance.

## Front End Assembly

Item 1 on the following assembly drawing shows the Fork Carrier - Airborne part # 106916



#### **End of Service Bulletin**