

SERVICE BULLETIN

Title: XT Series Battery Protection / Mast Cam Handle Wire

Identification	SB-006
Status	Active
Issue	1
Issue Date	17 April 2007
Applicability	XT 912, serial numbers 001 to 0169 inclusive XT 582, serial numbers 001 to 0040 inclusive unless previously accomplished.
Compliance	Optional

Issued by: Scott Barrett

Approved by: The technical content of this service bulletin has been approved by CASA.

Summary of Changes:
First issue

Introduction

It has come to our attention that a potential short of the battery can occur if the Mast Lever safety wire is incorrectly routed. This is not a safety of flight issue. When fitting a wing or transporting the aircraft without the mast cam lever in place, incorrect routing of the safety wire may pose a risk of shorting the battery on some aircraft.

The service bulletin is applicable to aircraft with serial numbers:

- XT 912, serial numbers 001 to 0169 inclusive.
- XT 582, serial numbers 001 to 0040 inclusive.

Note that the wire length has been shortened on later models so that incorrect routing will not cause a safety issue. As the mast cam handle safety wire is a non structural component, owners with wire swaging equipment may choose to shorten the safety wire so that incorrect routing may not allow the handle to contact the battery.

The principle action of this service bulletin is to describe the correct routing of the cable during assembly / disassembly and correct storage during transport.

Table of Contents

Introduction.....	1
Table of Contents	2
Action	2
Skills	2
Weight and Balance	2
Documentation	2
Performing the Correct Routing of Mast Cam Lever and Cable	3
<i>Mast folded For Fitment of Wing</i>	3
<i>Mast Fastened for Flight</i>	4
<i>Mast Folded for Transport</i>	5

Action

Comply with cable routing instructions for aircraft disassembly and transport as specified in this service bulletin. Continue to check for correct routing as a means of ensuring aircraft safety. A subsequent service bulletin will make parts available to insulate the battery.

As the mast cam handle safety wire is a non structural component, owners with wire swaging equipment may choose to shorten the safety wire (total length 300mm) so that incorrect routing of the safety wire may not allow the handle to contact the battery.

Skills

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

Weight and Balance

No change.

Documentation

No checklist or compliance notes are provided with this service bulletin.

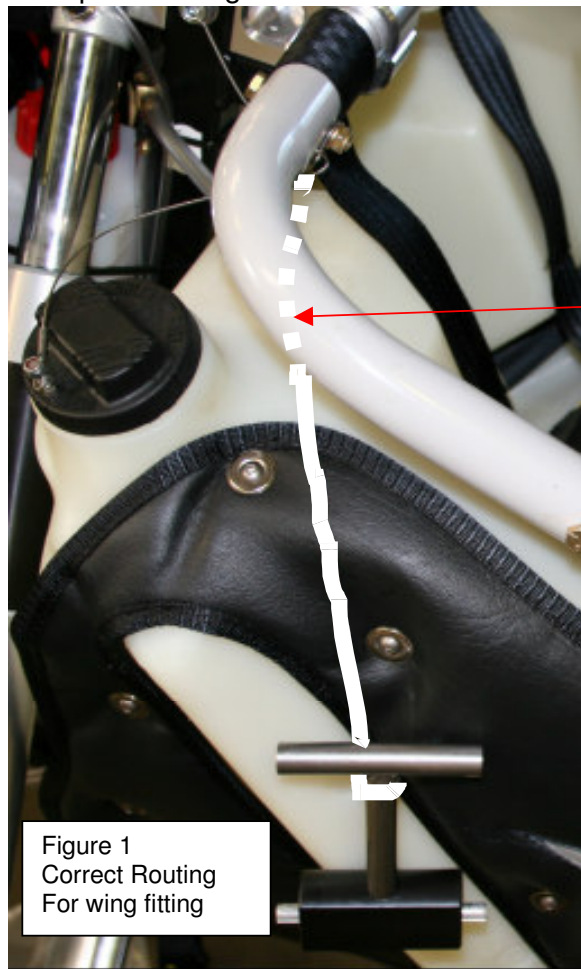
Performing the Correct Routing of Mast Cam Lever and Cable

Mast folded For Fitment of Wing

Handle Position and Cable Routing

1. The cable is routed underneath the seat frame.
2. The handle is placed outside of the aircraft.

as depicted in Figure 1.



Cable UNDER seat frame

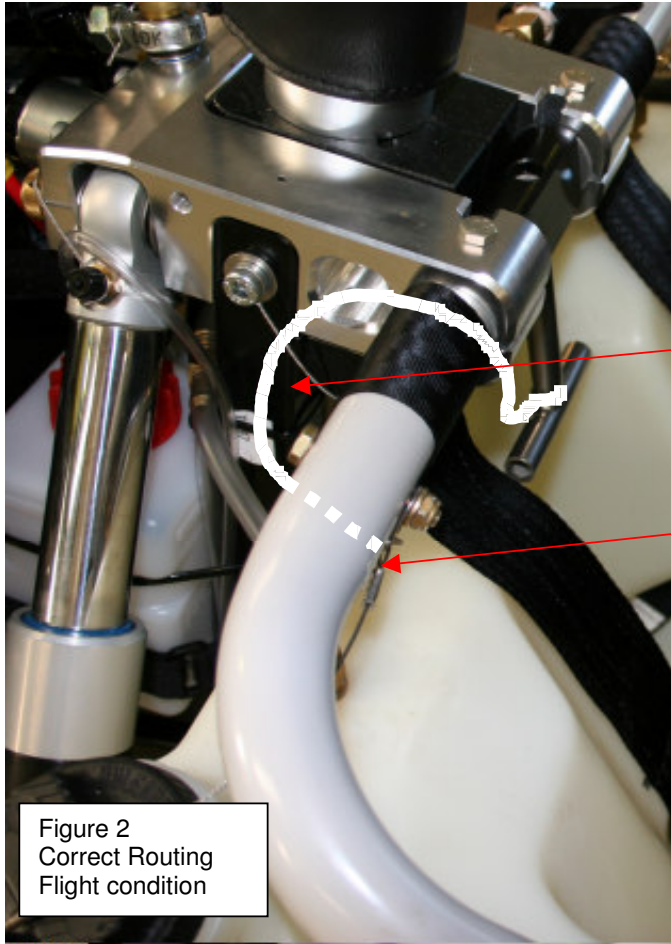
Figure 1
Correct Routing
For wing fitting

Mast Fastened for Flight

Handle Position and Cable Routing

1. The cable is routed underneath and around the rear of the seat frame.
2. The handle is placed in the slots.
3. The handle is rotated downwards into the locked position.

as depicted in Figure 2.



Cable around the back of and OVER seat frame

Cable UNDER seat frame

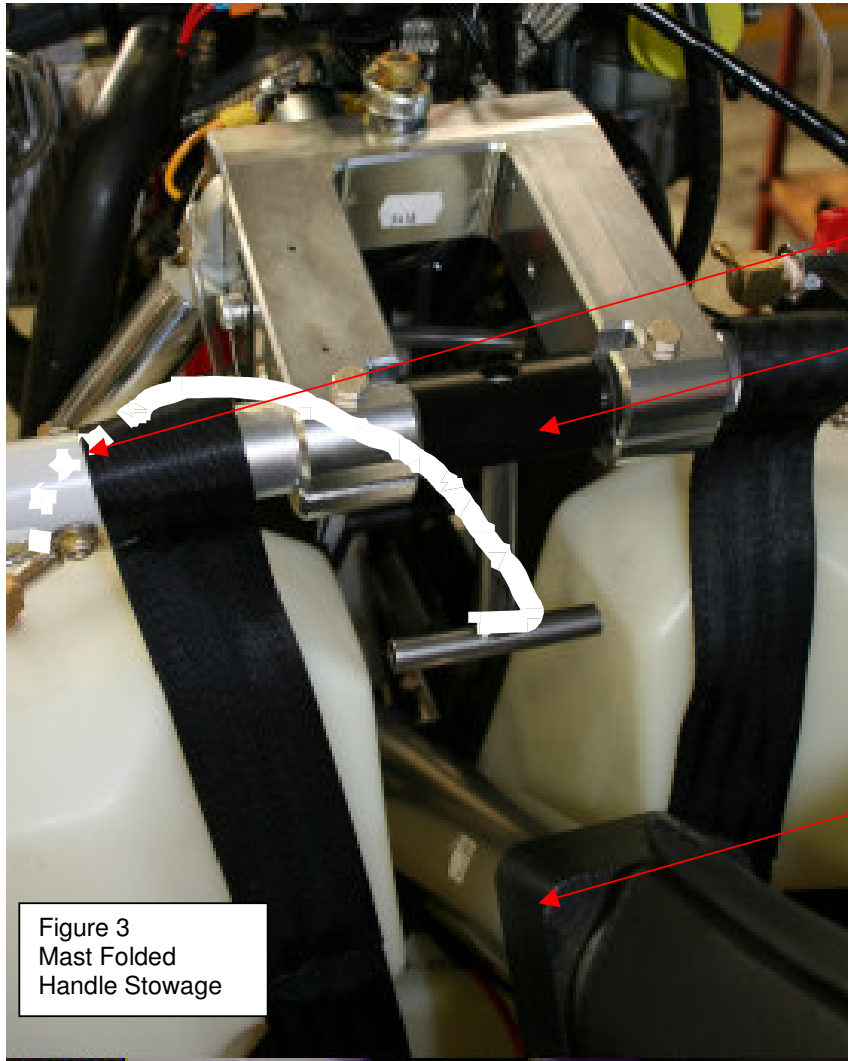
Figure 2
Correct Routing
Flight condition

Mast Folded for Transport

Handle Position and Cable Routing

1. The cable is routed underneath and around the rear of the seat frame.
2. The handle is placed in the slots to hang.

as depicted in Figure 3.



Cable UNDER seat frame, then around the rear of the seat frame.

Handle stowed in the mast cam handle slots

Mast Folded for transport

Figure 3
Mast Folded
Handle Stowage

End of Service Bulletin.

A subsequent Service Bulletin is expected to follow, making additional protection available to owners by insulating the battery. Parts will be made available through the factory, please check back at the Airborne website for an updated Service Bulletin.