

SERVICE Information

Title: Approved Base and Wing combinations - Australia

Identification	SB-018
Status	Active
Issue	5
Issue Date	15/03/2021
Applicability	All Airborne Windsports trike bases and wings
Compliance	Compliance is dependent on combination

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Approved by: Rick Duncan – AirBorne Windsports.

Summary of Changes:

Issue 2: Inclusion of LSA XT912 / S2B. Single place aircraft

Issue 3: Inclusion XT Mk3 with XR wings. XR wings on XT582 and XT912

Issue 4: Inclusion XT Mk4 80 and 100 HP

Issue 5: Inclusion of Approved Aerotow Combinations

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Introduction

This service information is issued to clarify the approval status of AirBorne Wing and Base combinations.

Approved wing and base combinations are described in this service bulletin.

Identification

Airborne Windsports aircraft are certificated to three different design standards.

To determine the certification type of your aircraft the data plate on the **base** needs to be examined. The following are applicable:

- 1. **95-32.** All Edge and Edge X series aircraft are certified to this standard. There is a 582 and 503 engine variant.

A Statement of Compliance (SoC) is required for registration in Australia



- 2. **Type Certified – B Series.** Earlier Edge XT aircraft are certified to this standard. There is a 912 and 582 engine variant. Note the “B” suffix of the model designation on data plate.

A Statement of Compliance (SoC) is required for registration in Australia



- 3. **LSA – L Series.** Later Edge XT aircraft are certified to this standard. There is a 912 and 582 engine variant. Note the “L” suffix of the model designation on the data plate.

A Certificate of Airworthiness (CofA) is required for registration in Australia



Approved Combinations

95-32 Combinations

Edge & Edge X Base / Wing Approval			
Compliant Wings	Edge 503 95-32	Edge 582 95-32	Aero Tow Approval
Edge	AD32	AD32	No
Wizard	AD32	AD32	Yes
Streak 1, 2 and 2B	AD32	AD32	Yes

As an example, model X-503, serial no. 503-123 can only be operated with wings:

- Edge, Wizard (all models), Streak 1, Streak 2 and Streak 2B.

Type Certified Combinations

Edge XT - B Series Base / Wing Approval			
Compliant Wings	Edge XT-912-B Primary (TC-VA513)	Edge XT-582-B Primary (TC-VA513)	Aero Tow Approval
Cruze	Type Certificate	Type Certificate	Yes
Streak 3	Type Certificate	No	No

If you have a **B Series** base you can only fly with the Cruze wing on the 582. The Cruze and Streak 3 wing can be used on the XT 912.

- Merlin, SST, Arrow, Arrow S, Arrow K and XR wings are not permitted.

Light Sport Aircraft Combinations

Edge XT Mk2 - L Series Base / Wing Approval			
Compliant Wings	Edge XT-912-L LSA	Edge XT-582-L LSA	Aero Tow Approval
Cruze	LSA	LSA	Yes
Streak 3	LSA	No	No
Streak 2B	LSA	LSA	Yes
Merlin	LSA	LSA	Yes
SST	LSA	No	No
Arrow	LSA	No	No
Arrow S	LSA	No	No
Arrow K	LSA	LSA	Yes
XRM	LSA	LSA	Yes
XRK	LSA	LSA	Yes
XRS	LSA	No	No

Edge XT Mk3 - L Series Base / Wing Approval		
Compliant Wings	Edge XT-912-L LSA	Aero Tow Approval
XRM	LSA	Yes
XRK	LSA	Yes
XRS	LSA	No

Edge XT Mk4 - L Series Base / Wing Approval			
Compliant Wings	Edge XT-912-L 912 UL 80HP	Edge XT-912-L 912 ULS 100HP	Aero Tow Approval
XRM	LSA	LSA	Yes
XRK	LSA	LSA	Yes
XRS	LSA	LSA	No

If you have an **L Series** base most wings are allowable. See the tables above for approved engine / wing combinations.

Single Place T-Lite LSA Combinations

T-Lite Series Base / Wing Approvals		
Compliant Wings	TLite TL-T19L	TLite TL-200 and TL-B5V
Core 168	LSA	LSA
Core 154	LSA	No
F2T	LSA	No

Single Place V-Lite Non LSA Combinations

V-Lite - L Series Base / Wing Approvals	
Compliant Wings	TLite TL-T13
F2T	Not Certified. Can operate under US Part 103 or Australian 95.8

Unapproved combinations

In the case of the XT2 range the bases in each category are essentially the same, the main differences being several placards, the Pilot Handbook and the data plate. The Pilot Handbook, or Flight manual, also defines the approved combinations.

While there are no known flight safety issues of a B series base with an LSA wing, if you have a B series base with an LSA wing or are thinking of upgrading to a newer wing model, you need to have the aircraft re-certified to the LSA category.

Edge and Edge X bases cannot be re-certified.

Airborne can arrange the issue of a Light Sport Certificate of Airworthiness for a B series aircraft if required. Please contact the factory for further details.

Aerotowing Approval

The factory approved wing base combinations are shown in the above tables for use as an aerotow tug. An Airborne approved tow system must be fitted, and operations should be in accordance with the NAA (National Aviation Authority) or CAA (Civil Aviation Authority) requirements.

In Australia SAFA (Sport Aviation Federation of Australia) is responsible for tow ratings and procedures. Details can be found in Towing Procedures Manual
https://www.safa.asn.au/images/pdfs/Tow_Manual_v5.4.1.pdf

End of Service Bulletin.