

OPERATING INSTRUCTION –

Retro Fit X Series Tundra Instructions

1.1 Introduction

This set of procedures has been developed to assist in the installation of the X Series Tundra retro fit kit. It is assumed that the installer has suitable qualification to do the job. Information contained in this document is of a basic nature to assist in the fitment of the kit. If the installer does not have suitable qualification or experience the aircraft should be modified by the factory or a person authorised to perform such work as determined by the registration body such as HGFA or RAAus within Australia

1.2 Instructions

1.2.1 Kit Description

The kit is supplied with the fork and front wheel pre assembled. Fitment as described below is required.

1.2.2 Disassembly

- Remove front wheel
- Remove mudguard
- Remove cockpit
- Remove fork assembly from fork carrier
- Remove levers

1.2.3 Pre Assembly

- Cut foot rest tubes down to 125mm (earlier versions may be longer)
- Cut 15mm from throttle and brake levers
- Straighten torque arm on brake shoe housing
- Fit internal spacer 106270 to brake drum
- As per template adjust hole in cockpit to suit larger fork

1.2.4 Reassembly

Bolt torque value can be found in the appropriate maintenance manual

- Refit Levers to fork assembly
- Fit fork assembly to fork carrier
- Reinstall cockpit
- Fit tundra cockpit
- Fit wheel and brake assembly ensuring internal spacer is installed

1.2.5 Rear Tyre Fitment

- Remove spats and rear wheels
- Remove the rear tyres and fit tundra tyres.
- Refit rear wheels with supplied nyloc nuts (do not use existing spring washers)

1.3 Post Assembly Check List

The checklist should be ticked signed and dated by the installer

FRONT END	√
Front Wheel Assembly	
Fork Carrier Assembly	
Lower Mast Brace Attachment	
Brake and Park Brake Operation	
Throttle Operation (Check Adjustment)	
OPTION Tow Release Operation (Check Adjustment)	
Steering interlock	
OPTION Steering Dampener (Stop fitted)	
Check clearance from tyre to pod at 10mm over full range of movement from lock to lock (unloaded).	
COCKPIT/SOFT SIDE	
Front Attachment	
Rear Attachment	
Windscreen Decals	
Dash Assembly	
Pod Moulding	
OPTION Console	
Pitot Routing and Security	
Soft Side Press Studs Secure	
Soft Side Webbing Clip Tensioned Over Tank & Behind mast	
WHEELS	
Rear Wheel Rotation	
Tyre pressure (15 psi)	
CHECKED BY	DATE

1.4 Drawings

Drawings are attached as an appendix to this document

6371	Tundra Retro-Fit Kit
6365	Tundra Front Wheel Assembly
5550	Brake Lever Sub Assembly (3 Pages)
6774	Foot Throttle Lever Assm (2 Pages)
6974	Axle Asm Front Edge X-XT

REVISION HISTORY

Revision History	Description of Changes	Revised by	Date
Accepted	Report written by Rick.		25/03/09
1	Clarified Report Number Errors	Rick	27/03/09

1.5 Modification Approval Retro Kit X To Tundra (Part 105204)

TRIKE SERIAL NUMBER	EDGE X -	-
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Approval is granted for the installation of the modification kit to Airborne Edge X trike 09/15/OI as described above under the following conditions:

- Installation is carried out in accordance with AirBorne Windsports installation instructions 09/015/OI.
- The kit is installed using all and only the parts supplied by the manufacturer, Airborne Australia.
- The modification kit is installed adhering to current aircraft maintenance practices, including using correct torque values (as per maintenance manual).
- The Installation Instructions for the Modification Kit must be attached as an Annex to, and kept with the Aircraft Operator's Manual.
- Details of the Modification, including the full Modification Approval Number must be entered into the Aircraft Logbook.
- Subsequent to the installation, the Aircraft is not to be flown until it has been inspected and certified by an HGFA Inspector.

Owner : _____ Date: __ / __ / __

HGFA Inspector:

I have checked the installation of this modification and certify that the above conditions have been complied with.

Name: _____ HGFA No: _____

Signature: _____ Date: __ / __ / __