

<b>TITLE</b>	AX2000 Undercarriage Rotation.
<b>CLASSIFICATION</b>	This service bulletin has been classified as OPTIONAL by Cyclone Airsports.
<b>COMPLIANCE</b>	Optional.
<b>APPLICABILITY</b>	Cyclone AX2000 aircraft only.

## INTRODUCTION

Slight rotation of the main axis has been found to  
takeoff.

- 1) improve the tracking of the main wheels;
- 2) relieve the load on the cockpit floor tubes;
- 3) enable the nose to be lifted earlier on

We therefore recommend that this modification is carried out, but safety will not be affected by non-compliance.

## ACTION

Rotation of the main axis is achieved by relocation of a hole on the cockpit side plate and shortening of the drag links. See Figure 1.

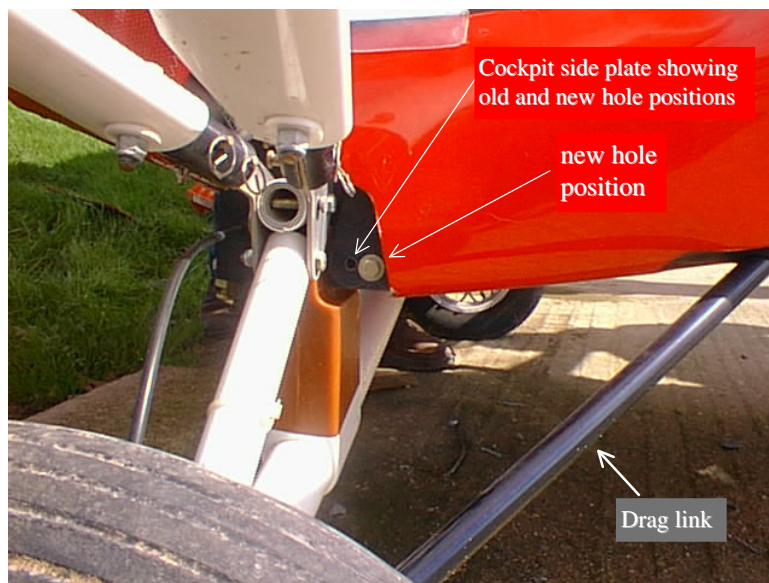


Figure 1: Photograph of AX2000 undercarriage side showing right hand drag link and cockpit side plate.

The drag links need to be shortened by 31.5mm. This alteration can be carried out on existing parts, however it is awkward and untidy. We have therefore decided to offer new drag links at a much reduced price of 50% off the normal price (no dealer margin) for a limited period of 3 months from the date of this bulletin. The part number of the new drag link is 201490.

The cockpit side plate can be bought as part number ZPL-133 or modified as follows. Drill a 6.1mm diameter hole (hole C) 12mm towards the inside of the plate (from hole B) on a radius of 52mm from the center of hole A. See Figure 2.

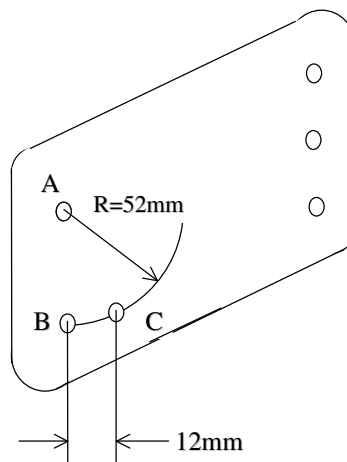


Figure 2: Modified Cockpit side plate hole configuration.

When dis-assembling and re-assembling the undercarriage components, it is advisable to suspend the aircraft from a suitable overhead support attached to the fuselage keel tube. Ensure that the assembly does not twist forwards during repositioning of the replaced/modified components.

The rotation of the undercarriage leads to a slight slackening of the Aileron cable. The slack should be taken up using the turnbuckle adjuster located in the rear enclosure.

When complete this modification must be inspected and test flown by a Cyclone/Pegasus or BMAA Inspector and signed off under Modification AX143 in the technical log.

<b>ISSUED BY</b>	<b>W.G.BROOKS</b>	<b>DATE</b>	<b>7.4.98</b>
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