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# Tri-gear nosewheel mounting

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**Classification** - Mandatory

**Applicability** - All Tri-gear Europa fuselages delivered prior to end September 1997

**Compliance** - Before next flight

## Introduction

A case has been reported of the wheel bearings rotating on the axle. This modification is introduced to prevent a recurrence of this problem.

## Action

Remove the nose wheel from the fork, and discard the existing NG07 aluminium spacers.

Thoroughly degrease the inner races of the wheel bearings and the area where they contact the axle.

The new assembly will be fitted to the axle in the following order:- NG07 spacer, EUR014 large washer, nosewheel, EUR014, 2 x W61560 wave washers, NG07.

Assemble one NG07 and EUR014 to the axle, and leaving a suitable gap, apply a thin film of Loctite 638 to the axle so that the inner half of the inner bearing race of the wheel will be bonded to the axle. Fit the bearing inner race and then the wheel, then apply a further film of Loctite to the axle to contact the inner race of the other bearing, and slide it on.

Add the second EUR014 and then the two wave washers - nested together to take up the minimum space, and finally the second NG07.

Now slide the whole assembly into the fork and insert the axle bolt. Tighten the axle nut so that the fork is compressed onto the ends of the axle, and leave undisturbed for at least 15 minutes for the Loctite to cure. The full strength of the Loctite will be developed in 12 hours.

Annotate the aircraft records - Mod 44 incorporated.