



Modification to door latches

Classification - Mandatory

Applicability - All Europa aircraft

Compliance - Before the next flight

Introduction

The modifications described below will reduce the gap between the shoot bolts and the door surround in the open position, and will increase the engagement of the parallel section of the shoot bolt in the door surround in the latched position.

Action

Either:

A. Door latch mechanism already made

- 1. Remove the gas strut from the door. Using plasticine or similar in the area of the door shoot bolt hole, close and open the door as squarely as possible. Measure the thickness of plasticine left after closing. This thickness represents the gap between the shoot bolt guide and the door surround.**
- 2. Build up the area of the door surround where the shoot bolt engages to form a "striker plate", using either layers of glassfibre 'bid', a shoot bolt guide, or an aluminium plate, so that the gap between the shoot bolt guide and the striker plate is between 1.5 mm and 2.5 mm.**

Or:

B. Door latch mechanism not yet made

- 1. Remove 5 mm (0.2") from the tip of each shoot bolt, and round off the ends.**
- 2. With reference to the dimensions given on page 35-2 of the build manual, increase the length of each push-rod by 7 mm. Thus the front push-rod will be 140 mm, and the rear push-rod 747 mm, between centres.**
- 3. The changes in 1 and 2 above will alter the dimension between the shoot bolt ends from 94.7 cm to 95.1 cm. This should give a gap between the shoot bolt end and the door surround hole of 2 mm.**

All aircraft - Annotate the aircraft technical records - Mod 39 incorporated.