SERVICE BULLETIN NUMBER 0089	ISSUE 1	PAGE 1 OF 1

TITLE	**Quantum over-centre catch - pin sideways movement.**
CLASSIFICATION	**Pegasus consider compliance with this service bulletin to be compulsory**
COMPLIANCE	**Before next flight**
APPLICABILITY	**All Pegasus Quantum trikes**

INTRODUCTION

On one or two Quantum trikes the over centre latch pin has been found to move slowly sideways out of it's Nylon cam block. The pin, which is hardened, is pressed into the Nylon cam. Changes in moisture and/or fitting tolerance can allow some pins to start moving. The pin movement is caused by small sideways deflections of the pylon relative to the catch jaws. If the pin disengages on one side, the assembly can twist round and damage the handle.

The overcentre catch is normally unloaded in flight - it's purpose is to locate the pylon when taxiing and to take the forward wing inertia loading in a heavy landing or nose impact.

ACTION

Inspect the locking pin for signs of migration sideways out of it's block.

If so, A simple modification PG 137 has been introduced to lock the pin in position sideways. The modification is to :

1) Extract the pin completely.
2) Grind a notch no deeper than 2mm half way along the pin. Degrease with Acetone or similar.
3) Reinsert the pin.
4) Pot the pin into position by pouring 5 minute epoxy (e.g. Devcon or Araldite Rapid) into the centre of the handle tube.
5) Enter " mod PG137 (over centre handle) carried out" in the aircraft technical log.

ISSUED BY	DATE

ELM TREE PARK, MANTON, MARLBOROUGH, WILTSHIRE SN8 1PS, UK
Tel: +44 (0)1672 861578 Fax: +44 (0)1672 861550 E Mail: pegasus@cccp.net