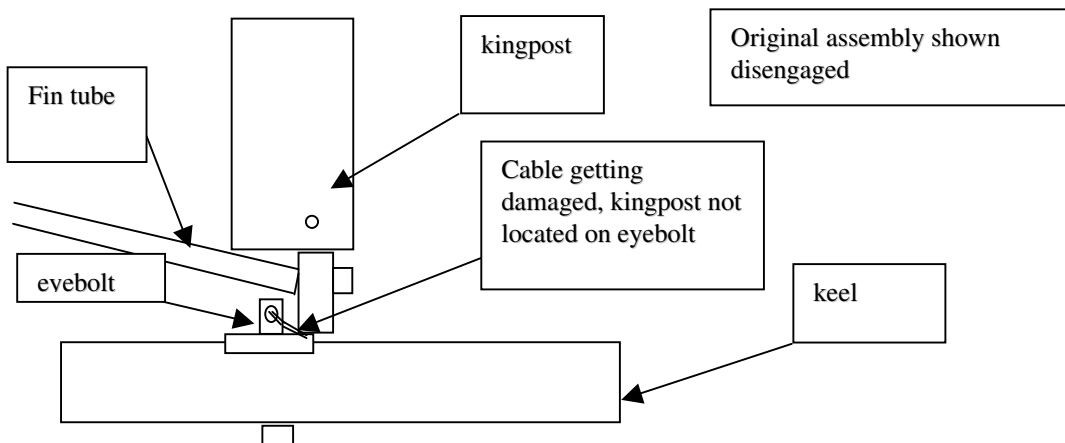


TITLE	Pegasus Quik Kingpost Base
CLASSIFICATION	The CAA have classified this bulletin as Mandatory.
COMPLIANCE	Inspection before flight, modification within the next 5 hours
APPLICABILITY	All Pegasus Quik (912UL-S engine only) up to S/N 7966.

INTRODUCTION

The Pegasus Quik wing king post is located by a turned fitting which plugs into a steel eyebolt which acts as a spigot. Between the eyebolt and the kingpost base is a cable which is intended to align the kingpost with its spigot and to keep the parts connected.

If the cable is a little too long, when the kingpost is erected, it is probable that the forward force from the fin tube will cause the kingpost to sit in front of the spigot instead of over it, supported only by the cable. If the aircraft is flown in this condition, the cable will get rapidly damaged allowing the kingpost to separate from the keel entirely. This removes all negative load carrying capability from the structure as well as most of the positive aerodynamic pitching moment.

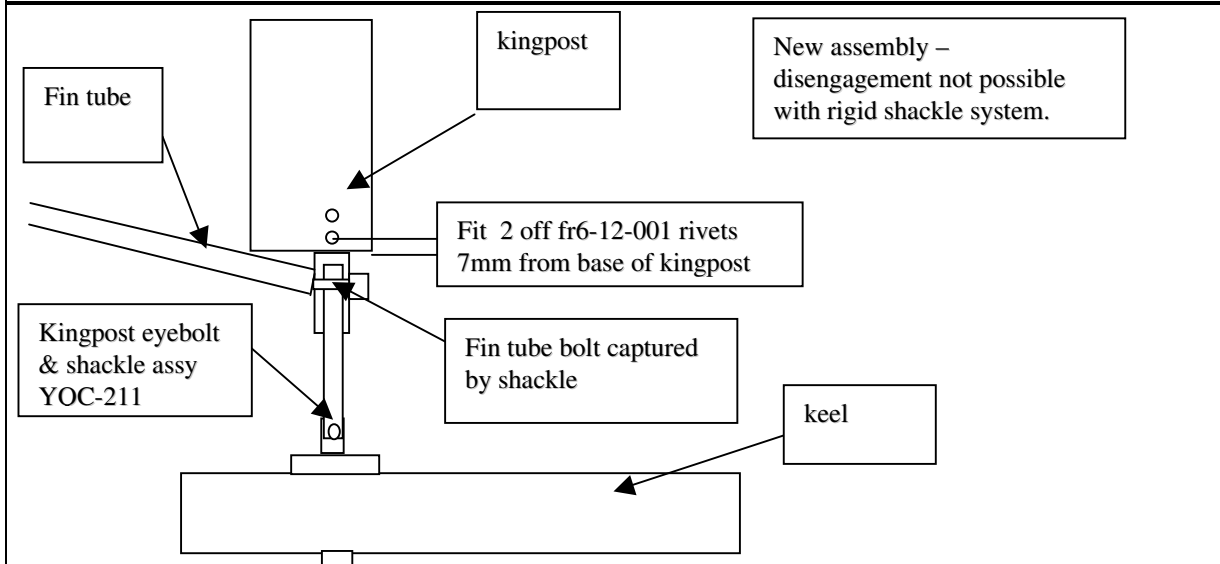


Although it is most probable that the kingpost disengagement happened during rigging, it is not inconceivable that taxiing over very rough surfaces or unusual flight manoeuvres might cause disengagement.

ACTION

- 1) Check the kingpost is correctly located on its base before each takeoff.
- 2) As soon as possible and before 5 hours, replace the eyebolt and cable with an eyebolt and shackle sub assembly, part no. YQC-211, as follows:
- 3) Remove the wing from the trike according to the de-rigging instructions in the owner's manual, set the trimmer to fully fast (trim cable slack).
- 4) Lay the wing on the ground and de-tension it using the rigging tool.
- 5) Remove the two innermost ribs.
- 6) Close the wing together so the luff lines become slack, remove the top rear rigging carrabiner.
- 7) Undo the fin tube to kingpost base bolt and disconnect the fin tube from the kingpost.
- 8) Lift the kingpost base from its eyebolt.
- 9) Undo the kingpost eyebolt nut under the keel.
- 10) Remove the eyebolt from the keel.
- 11) Replace the eyebolt with eyebolt and shackle sub assembly YQC-211, replace the nyloc nut.

- 12) Drill the kingpost and base 4.9mm dia., 7mm from the bottom of the kingpost, in line with the existing rivets. Fit two 3/16" x 3/8" monel rivets, part no. fr-6-12-001, to prevent rotation of the kingpost base in the tube.



- 13) Reconnect the fin tube with the kingpost, so as to capture the shackle on the eyebolt as shown above. Replace the nyloc nut.
- 14) Check the kingpost can be lifted for folding and engages correctly on the eyebolt when stood up.
- 15) BMAA inspector to sign off in the technical log "Service bulletin SB114 (kingpost base) complied with."
- 16) Re rig the wing and preflight check as normal.

ISSUED BY W.G.Brooks

DATE 25/6/03