SERVICE BULLETIN NUMBER: SB91	ISSUE 1	PAGE 1 OF 1

TITLE Quasar-Q1 and Q2 Roll Bearing Cracking.

CLASSIFICATION Advisory.

COMPLIANCE Within the next 25 hours and subsequently after heavy and strong cross wind landings.
APPLICABILITY All Pegasus Q2 wings and Quasar-Q1 wings.

INTRODUCTION

Cracking has been noticed around the front flange of a small number of roll bearings after heavy landings.

ACTION

The roll bearing should be checked for cracking within the next 25 hours and after heavy landings or strong cross wind landings. Check particularly in the area where the front flange meets the shank of the bearing as shown in Figure 1:

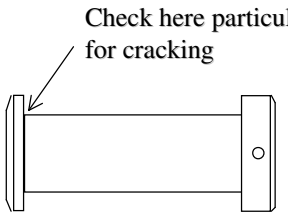

Figure 1.

If there is found to be cracking replace the bearing immediately.
Part numbers are: Quasar-Q1 Roll Bearing: ZMP-014 (Modified part)
Q2 Roll bearing: ZMP-094 (New part)

The replacement roll bearings have been redesigned to reduce the strain on the front flange by increasing the shank length and introducing a small radius at the corner between the flange and the shank.

If you remove the hang bracket in order to inspect the roll bearing or to replace it, ensure that the assembly is re-assembled using loctite 221 or similar thread lock on the cap head screws.

ISSUED BY **DATE**

Chief Engineer		Date
Production Director		Date

Sales Director		Date
Managing Director		Date

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