

This engineering order supplied by request of;  
Tony Esler

AIRCRAFT RADIO PTY LTD EO70492  
Date 9/07/07

# ENGINEERING ORDER

## AIRCRAFT RADIO PTY LTD

Building 21 Archerfield Airport  
PO Box 727 Archerfield QLD 4108  
ABN 13-089-459-129

**Engineering Order Number:** EO70492

**Title:** Fitment of XeVision landing light.

**Aircraft:**

**Manufacturer:** Grumman  
**Type:** AA5B Tiger  
**Serial number:** AA5B-0315  
**Registration number:** VH-SYN

**Distribution;**

**Original:** C of R holder.  
**Copies:** Aircraft Radio P/L & CASA.

**Requirements:**

**Structural:** In the absence of any of the aircraft manufacturer's data or suitable previously approved data, any structural changes are to be approved by a CASA approved CAR35 Structural Engineer.

**Electrical Load Analysis:** No changes are to required to the ELA.

**Weight and Balance:** Weight and balance not affected by this EO.

**Flight manual supplement:** Not required.

**Logbook:** On completion of installation annotate the aircraft's logbook to state the equipment has been installed in accordance with Aircraft Radio's Engineering Order number EO70492.

**Instructions to certificate of registration holder:**

All work to be carried out by CASA approved workshop using standard aircraft practices.

**Equipment in:** Xevision landing light system model XV-36-SL.

**Equipment out:** GE landing light.

**Reference Material:** CAO 108.32, 108.34 and XV-36-SL installation instructions.

Certified by..........(original in red)

Prepared by..........

Checked by..........

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**Details of Installation:**

- Ensure all wiring complies with CAO 108.32 and meets Mil-W-22759 specifications for normal wire and Mil-W- 27500 for shielded wire.
- Reuse existing wiring, circuit breakers where appropriate.
- Remove the existing landing light.
- Install the new light in the cowl.
- Mount the XeVision ballast in a suitable position on the firewall.
- Run the existing landing light power wire to the ballast and connect. Ground the ballast to a suitable earth point.
- Run the supplied wiring from the ballast to the lamp.
- Secure all wiring so as it will not foul or chafe on any part of the aircraft or equipment.

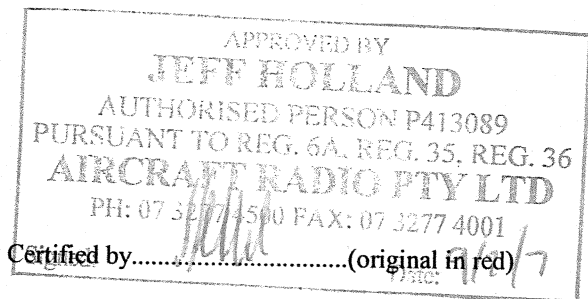
**Test to be carried out:**

- Turn on power to the landing light and ensure correct operation IAW the XeVision installation instructions.
- Carry out interference checks in accordance with CAO 108.34

**Recurring Maintenance:** The installed equipment is subject to the existing maintenance requirements of the current aircraft system of maintenance or log book statement, appropriate service bulletins and appropriate CASA airworthiness directives.

**NOTE: IF FOR ANY REASON THIS ENGINEERING ORDER CAN NOT BE COMPLIED WITH THEN THIS ENGINEERING ORDER BECOMES INVALID.**

**Approval Stamp**



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Prepared by.....  
Checked by.....