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.

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