

# APPROVAL OF MINOR MODIFICATION

To: **British Gliding Association**  
**Kimberley House**  
**Vaughan Way**  
**Leicester LE1 4SE**



Modification Approval No: 9/217/M/9701

Office of Issue: **Luton Regional Office**

|   |  |  |
|---|--|--|
| Aircraft Type:<br><b>PIPER PA-25-235</b>  | Aircraft Registration:<br><b>G-ASKV</b><br><br>Serial No:<br><b>25-2272</b>      | Applicant's Modification No:<br><b>BGA 2003/7</b><br><br>Issue No:<br><b>1</b> |
| Details of Modification:<br><br><b>To replace the GE4509 landing lamp with a GE 4595 navigation/marker lamp.</b><br><br><b>Following a recent mid air collision between a glider and Tug the AAIB recommends that best use of tug external Lighting be made. The standard landing lamp has a very short service life and because of this is very unreliable.</b><br><br><b>The original GE4509 Landing Lamp has a 25-hour service life and when used as a conspicuity aid during towing Operations lasts less than 20/30 flying hours.</b><br><b>The GE 4595 lamp has a 300-hour service life and provides a far greater level of serviceability and safety.</b><br><br><b>Both lamps are 13v/100w in a PAR 36 design. The GE4595 lamp has a 2° wider beam in the horizontal plane (GE4509 = 12° and GE4595 = 14°) with the same vertical angle. Both lamps are directly interchangeable being dimensionally identical.</b><br><br><b>Install a decal over the Landing lamp switch indent, saying "Front Marker Lamp"</b> |  |  |
| Suitable for any BGA tug aircraft below 2730kg that utilises GE 4509 Landing Lamp   |  |  |
| Limitations, Conditions or Exemptions<br><b>Day - VFR only. For night flying a GE4509 landing lamp must be installed as specified in the IPC.</b>   |  |  |
| Amendments in accordance with BCAR, Section A and B, as appropriate, are required to the following documents:*  |  |  |
| Weight and C of G Schedule<br>Flight Manual<br>Maintenance Manual<br>Overhaul Manual  | Repair Manual<br>Maintenance Schedule<br>Crew Manual<br>Electrical Load Analysis |  |

**The above modification is approved and may be embodied subject to compliance with British Civil Airworthiness Requirements.**

Signed:   
Name: **M JORGENSEN**

Date: **20 May 2003**

\* (Delete as appropriate)

cc: Aircraft Projects Department, 2E  
Applications and Certification Section, 1E  
File Copy

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|-----------------------|
| £ 71.00               |
| Received by: P McLeod |
| Date: 08/05/2003      |
| Receipt No: 359592    |