

Service Bulletin No: 33-002

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Modification No: EC-15-0487

ATA Chapter: 33

**LIGHTS - EXTERNAL LIGHTS
INTRODUCTION OF LED LANDING LIGHTS****1. Planning Information****A. Effectivity**

PC-6 aircraft MSN 337 to 1021 and MSN 2001 to 2092.

This modification will be incorporated on MSN 1022 and up in production.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

The existing incandescent landing light motors are becoming obsolete.

(2) Cause

The manufacturer has ceased production of the landing light motor.

(3) Solution

Replace the existing incandescent landing lights with fixed LED landing lights integrated into the wing leading edge.

D. Description

This Service Bulletin gives the data and instructions to remove the existing incandescent landing lights and install LED landing lights integrated into the wing leading edge. The new lights are no longer motorized but can be adjusted in the vertical about ± 2.5 degrees (on the ground). If left and right landing lights are installed, both lights must be replaced at the same time.

E. Compliance

Optional.

F. Approval

The Technical content of this Service Bulletin is approved under the authority of DOA No. EASA. 21J. 357.

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H. Manpower

	LH Landing Light	RH Landing Light (if installed)
Preparation	5.0	5.0
Modification	35.0	35.0
Test	12.0	2.0
Close up	5.0	5.0
TOTAL MAN-HOURS	57.0	47.0

NOTE: The man-hours above do not include the cure time for paints or sealants.

I. Weight and Balance

(1) Weight Change

LH landing light: -0,52 kg (-1.147 lb)
RH landing light: -0,52 kg (-1.147 lb).

(2) Moment Change

LH landing light: -2,662 mkg (-231.07 lb-in)
RH landing light: -2,662 mkg (-231.07 lb-in).

J. Electrical Load Data

The electrical load is reduced by:

- BATTERY BUS: -6.25A (LH landing light)
- GENERATOR BUS: -6.25A (RH landing light, if installed).

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (AMM) Doc. 01975: 20-31-00, 33-43-11.

M. Publications Affected

Aircraft Maintenance Manual

Aircraft Flight Manual (Temporary Revision)

Illustrated Parts Catalogue

N. Interchangeability of Parts

Not interchangeable.

2. Material Information**A. Material - Price and Availability**

Operators who require further information and/or Service Bulletin material should contact their Authorized Pilatus Service Center or:

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