

Service Bulletin No: 33-015

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Modification No: EC-15-0200

ATA Chapter: 33

LIGHTS - EXTERNAL LIGHTS - MOISTURE INGRESS TO LED LANDING AND TAXI LIGHTS**1. Planning Information****A. Effectivity**

All PC-12 Series aircraft with LED landing lights (P/Ns 972.87.69.404 and 972.87.69.406) and taxi lights (P/N 972.78.55.629 and 972.78.55.630) installed.

For MSN 1546 and up (excluding MSN 1547, 1549 and 1555), the new taxi light (P/N 972.87.69.421) is installed during production.

For MSN 1562 and up, the new landing lights (P/N 972.87.69.420) are installed during production.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

The current LED landing lights (P/Ns 972.87.69.404 / 972.87.69.406) and taxi light (P/N 972.78.55.629 and 972.78.55.630) can have a problem with moisture ingress.

(2) Cause

Moisture ingress enters the LED light around the internal sealing gasket.

(3) Solution

Replace the affected LED landing and taxi lights with LED light units with improved sealing against moisture ingress.

D. Description

This Service Bulletin gives the data and instructions to replace the affected LED landing and taxi lights with improved LED light units.

E. Compliance

Recommended.

F. Approval

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

PILATUS advises Operators/Owners to check with their designated Airworthiness Authority for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

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H. Manpower

Task	Man-hours one light	Man-hours two lights	Man-hours three lights
Modification	0.5	1.0	1.5
Test	1.0	1.0	1.0
TOTAL MAN-HOURS	1.5	2.0	2.5

I. Weight and Balance

(1) Weight Change

Not affected.

(2) Moment Change

Not affected.

J. Electrical Load Change Data

Not affected.

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (AMM)

(1) AMM references given without the model prefix are applicable for all aircraft:

20-31-00-00A-071B-A	24-00-00-00A-901A-A	33-41-01-00A-920B-A
33-42-01-00A-920B-A		

(2) For PC-12, PC-12/45 and PC-12/47 aircraft:

12-A-33-40-00-00A-903A-A 12-A-33-40-00-00A-903B-A

(3) For PC-12/47E aircraft:

12-B-33-40-00-00A-903A-A

M. Publications Affected

Illustrated Parts Catalog.

N. Interchangeability of Parts

The affected LED lights and the improved LED lights are fully interchangeable.

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

Operators should send orders for exchange LED lights to their Authorized Pilatus Service Center.

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B. Warranty

Credit will be issued for labor as required (refer to paragraph 1. H.) for all affected aircraft on approval of a warranty claim, provided the work is accomplished by an authorized Service Center within 24 months of the issue date of this Service Bulletin.

During this time frame, Pilatus will supply exchange lights (as required) free of charge. In order to keep up with the material flow, the core(s) need(s) to be returned to Pilatus within 30 days.

NOTE: Operators who decide not to accomplish this Service Bulletin within the specific time period will no longer receive warranty consideration for future LED landing and taxi lights with water ingress as listed under paragraph 1. C. (1).

C. Material Necessary for Each Aircraft

NOTE: Part Numbers given in this Service Bulletin are correct at the time of approval. Pilatus Aircraft Ltd. reserves the right to change the part numbers as necessary. Part numbers of items delivered with the Modification Kit are correct when the kit is dispatched. This could lead to differences between those part numbers quoted in this Service Bulletin and the Modification Kit if parts are superseded. Operators are requested to check the IPC for delivered parts which differ from those listed in the Service Bulletin Materials Kit List.