

Service Bulletin No: 33-016

Ref No: 344

Modification No: EC-16-0049

ATA Chapter: 33

**LIGHTS - CABIN FLOOD LIGHTS - INTRODUCTION OF REDUCED INTENSITY CABIN FLOOD LIGHTS****1. Planning Information****A. Effectivity**

All PC-12/47E Series aircraft MSN 1001 to 1575 with a Factory Option Executive Interior.

MSN 1576 and up with Factory Option Executive Interior will have this modification (Initial Issue) embodied during production.

MSN 1633 and up with Factory Option Executive Interior will have this modification (Revision 1) embodied during production.

**B. Concurrent Requirements**

None.

**C. Reason****(1) Problem**

The existing cabin flood lights at 50% intensity are too bright.

**(2) Cause**

None.

**(3) Solution**

Reduce the intensity of the cabin flood lights by the introduction of a series resistor.

**D. Description**

This Service Bulletin gives the data and instructions to add a series resistor to the cabin flood light wiring. The 50% cabin flood lights are reduced in their intensity, the 100% cabin flood lights intensity remains unchanged.

Revision 1 to this Service Bulletin changes the installation of the series resistor and the convection shield. Operators who have already embodied this Service Bulletin at Initial Issue only need to do rework according to the new procedure if Service Bulletin 35-007 (Drop-Down Passenger Oxygen Mask System) is to be embodied.

**E. Compliance**

Optional.

**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**

Description	Manhours
Preparation	5.5
Modification	4.0
Close up & Test	7.0
<b>TOTAL MAN-HOURS</b>	<b>16.5</b>

**I. Weight and Balance**

Not Changed.

**J. Electrical Load Change Data**

100% Cabin lights - ESSENTIAL BUS: -2.2 A  
NON ESSENTIAL BUS: +2.2 A

**K. Software**

Not changed.

**L. References**

Aircraft Maintenance Manual (AMM)

12-B-20-31-00-00A-071A-A 12-B-20-50-00-00A-901A-A 12-B-24-00-00-00A-901A-A  
12-B-25-21-01-00-920A-A 12-B-25-21-03-00A-920A-A 12-B-33-00-00-00A-903A-A

**M. Publications Affected**

Wiring Diagram Manual.

**N. Interchangeability of Parts**

Not applicable.

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

Operators should send orders for Service Bulletin Modification Kits, to their Authorized Pilatus Service Center.

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