

Service Bulletin No: 33-018

Ref No: 361

Modification No: EC-16-0363

ATA Chapter: 33

**LIGHTS - FLIGHT COMPARTMENT - INTRODUCTION OF MAP LIGHTS POWERED FROM THE STANDBY BUS****1. Planning Information****A. Effectivity**

PC-12/47E Series aircraft MSN 1001 to 1719.

This modification is embodied at production on aircraft MSN 1720 and up.

**B. Concurrent Requirements**

None.

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

The map lights are powered from the Generator 1 bus and are therefore not available before the aircraft is powered up or in the case of generator 1 failure. This prevents the map lights use to read the checklists during pre/post flight or the emergency procedures during Generator 1 fail conditions.

**(2) Cause**

The map lights are powered by the Generator 1 bus.

**(3) Solution**

Relocate the power supply for the map lights from Generator 1 bus to the Standby bus.

**D. Description**

This Service Bulletin gives the data and instructions to move the power supply for the map lights from Generator 1 bus to the Standby bus.

**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**

Description	Manhours
Preparation	0.5
Modification	2.0
Close up & Test	0.5
<b>TOTAL MAN-HOURS</b>	<b>3.0</b>

**I. Weight and Balance**

Not changed.

**J. Electrical Load Change Data**

GENERATOR 1 BUS: -0.3A  
STANDBY BUS: +0.3A

**K. Software**

Not changed.

**L. References**

Aircraft Maintenance Manual (AMM)

12-B-20-31-00-00A-070A-A	12-B-24-00-00-00A-901A-A	12-B-21-40-01-00A-920A-A
12-B-25-10-01-00-920A-A	12-B-33-00-00-00A-903A-A	

**M. Publications Affected**

Aircraft Maintenance Manual

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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**B. 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.