

SERVICE BULLETIN

SERVICE BULLETIN NO: 33-006

REF NO: 157

MODIFICATION NO:

ATA CHAPTER: 33

LIGHTS - PASSENGER COMPARTMENT LIGHTS CABIN FLOOD LIGHTS - INSTALL NEW DIODE

1. Planning Information

A. Effectivity

All PC-12 and PC-12/45 aircraft from MSN 417 thru MSN 451.

Revision 1. of this Service Bulletin (SB) changes the aircraft effectivity from MSN 401 thru MSN 451, to MSN 417 thru MSN 451. It also includes a minor text change in Para D.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

In some PC-12 and PC-12/45 aircraft it is possible for the (passenger compartment) flood lights to flicker when the CABIN LIGHT - FLOOD switch is set from 100% to 50%. This only occurs in aircraft with wiring installed as shown in 33-20-21 (P/N: 533.29.12.034 (Executive Interior)).

(2) Cause

This condition in the flood light system only occurs if the passenger door lamp (lamp) becomes defective. While the lamp is serviceable, electrical current goes to ground through the filament when the CABIN LIGHT - FLOOD switch is set to 50%. If the lamp becomes defective the electrical current goes through the coil of the AC flood-light relay (K191) as an alternative route to ground. This keeps the relay in the latched condition which causes the flood lights to flicker.

(3) Solution

The installation of a new diode (P/N: 980.71.10.101) will prevent this unwanted condition in the flood light system.

D. Description

This SB gives the instructions and data necessary to install a new diode in the wire L501B20 adjacent to terminal block TB191-01.

E. Compliance

Recommended.

F. Approval

The technical aspects of this SB are approved by the Federal Office for Civil Aviation (FOCA) of Switzerland.

PILATUS advises Operators/Owners to check with their local Airworthiness Authorities for any changes, local regulations or sanctions that can affect the embodiment of this SB.

G. Manpower

	Total
Preparation	5.0
Installation	1.0
Close up	6.0
TOTAL MAN-HOURS	12.0

NOTE: Man-hours figures do not include the time required to cure sealants and adhesives.

H. Weight and Balance

(1) Weight Change

Not affected.

(2) Moment Change

Not affected.

I. Electrical Load Data

Not changed.

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM), 24-00-00 and 25-22-03.

L. Publications Affected

Wiring Manual, Electrical and Avionics Parts List and 33-20-21 (P/N: 532.29.12.034).

M. Interchangeability of Parts

Not applicable.

2. Material Information

A. Material - Price and Availability

Operators should send orders for SB modification kits, to their Authorized PILATUS Service Center, or to:

PILATUS AIRCRAFT LTD.,
CUSTOMER LIAISON MANAGER,
CH-6371 STANS,
SWITZERLAND

General Aviation:
Tel : + 41 41 619 6319
Fax: + 41 41 619 6224
eMail: pilga@pilatus-aircraft.com

Government:
Tel : + 41 41 619 6509
Fax. + 41 41 619 6224
eMail: rpaterson@pilatus-aircraft.com

PILATUS BUSINESS AIRCRAFT LTD.,
PRODUCT SUPPORT DEPARTMENT
11755 AIRPORT WAY
BROOMFIELD, CO 80021.
UNITED STATES OF AMERICA

Tel : 303 465 9099
Fax: 303 465 6040
eMail: Productsupport@PilBal.com

PILATUS AUSTRALIA (Pty.) LTD.,
PO BOX 732
MARLESTON SA 5033
AUSTRALIA

Tel : (08) 8234 4433
Fax: (08) 8234 4499
Free Call: 1800 445 007
eMail: info@pilatus.com.au

Operators are requested to advise Pilatus Aircraft Ltd, of the MSN and the flying hours of aircraft which are affected by this SB.