

Service Bulletin No: 33-011

Ref No: 273

Modification No: EC-10-0135

ATA Chapter: 33

LIGHTS - INTERIOR LIGHTS - REPLACE INCANDESCENT CABIN SIGNS WITH LED CABIN SIGNS**1. Planning Information****A. Effectivity**

All PC-12, PC-12/45 and PC-12/47 aircraft with ordinance signs illuminated by incandescent bulbs.

NOTE: This SB is not applicable to aircraft MSNs 617, 822, 826, 828, 829 and 832 thru 888, which already have Light Emitting Diode (LED) ordinance signs (972.72.59.002) installed.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

The passenger ordinance signs are illuminated by incandescent bulbs. The bulbs (and ordinance signs) do not have a long life span and require frequent replacement.

(2) Solution

Replace the ordinance signs with a type which uses LED's as the light source. The LED lights have a longer life span and a better appearance due to better distribution of illumination over the display.

D. Description

This Service Bulletin gives the data and instructions to:

- (1) Replace the incandescent bulb ordinance signs with LED ordinance signs.
- (2) Replace the wiring modification for the protection of the James Wilson Overhead Panel implemented by Service Bulletin 31-008 with a modification that will allow the LED signs to function. This is only applicable if SB 31-008 Revisions 1 or 2 have been carried out.

Revision 1 of this Service Bulletin changes the Part No. for the LED Ordinance Signs. The Part No. is updated to change the color of the LED Ordinance Sign bezel. The modification instructions are also generalized to be valid for all ordinance sign locations. Customers who have embodied this Service Bulletin at initial issue do not need to do further work.

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 - Replacement of Signs only:

	Executive interior	Standard interior
Preparation	2.5	1.5
Modification	3.5	3.5
Test	0.5	0.5
Close up	2.5	1.5
TOTAL MAN-HOURS	9.0	7.0

Manpower - Replacement of Signs and Wiring Modification:

	Executive interior	Standard interior
Preparation	22.0	15.0
Modification	8.0	8.0
Test	0.5	0.5
Close up	25.0	17.0
TOTAL MAN-HOURS	55.5	40.5

I. Weight and Balance

(1) Weight Change

None.

(2) Moment Change

None.

J. Electrical Load Data

Reduction of 90mA (from 100mA to 55mA per unit) on the NON Essential Bus.

K. Software

Not changed.

L. References

12-A-20-31-00-00A-071A-A	12-A-24-00-00-00A-901A-A	12-A-25-10-03-00A-920A-A
12-A-25-21-03-00A-920A-A	12-A-25-21-07-00A-920A-A	12-A-25-22-01-00A-920A-A
12-A-25-22-03-00A-920A-A	12-A-33-10-00-00A-903A-A	

M. Publications Affected

Aircraft Maintenance Manual.

Illustrated Parts Catalog.

N. Interchangeability of Parts

Pre and Post Service Bulletin 33-011 cabin ordinance signs are one-way interchangeable.

2. Material Information

Pilatus advise that the standard lead times for parts may be up to 4 weeks.

A. Material - Price and Availability

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

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

General Aviation:
Tel: + 41 41 619 3333
Fax: + 41 41 619 7311
eMail: SupportPC12@pilatus-aircraft.com

PILATUS BUSINESS AIRCRAFT LTD.,
PRODUCT SUPPORT DEPARTMENT
11755 AIRPORT WAY
BROOMFIELD, CO 80021.
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PILATUS AUSTRALIA (PTY.) LTD,
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NOTE: Operators are requested to advise Pilatus Aircraft Ltd, of the Manufacturer's Serial Number (MSN) and the flying hours of aircraft which are affected by this Service Bulletin.