

SERVICE BULLETIN

SERVICE BULLETIN NO: 33-002

REF NO: 082

MODIFICATION NO: 98 0238

ATA CHAPTER: 33

LIGHTS - EXTERIOR - RED ANTI-COLLISION BEACONS

1. Planning Information

A. Effectivity

All PC-12, PC-12/45 and PC-12/47 aircraft from MSN 101 up to and including MSN 999, except for aircraft MSN 545, as a Customer option.

This Service Bulletin will be incorporated prior to delivery on aircraft MSN 184 and 229. This Service Bulletin will also be retro-fitted, at PILATUS's facilities, on aircraft MSN 164.

B. Concurrent Requirements

The PC-12 SB 33-001, Lights - Exterior - Recognition Lights, can also be installed at the same time as this Service Bulletin; if required.

C. Reason

(1) Problem

A Customer requested an optional installation of additional anti-collision beacons, to be fitted to the aircraft; in addition to the required white strobe lights.

(2) Cause

Not applicable.

(3) Solution

Install two anti-collision beacons - one on the top of the tail cone, the other on the bottom of the fuselage.

D. Description

This Service Bulletin introduces two anti-collision beacons - one on the top of the tail cone, the other on the bottom of the fuselage, together with the necessary electrical wiring; in addition to the existing white strobe lights.

Revision A to this Service Bulletin changes kit 500.50.12.189 to include P/N 533.42.12.051.

Revision 1 changes the Effectivity and updates the Service Bulletin to the latest standard.

NOTE: Only the Service Bulletin is updated. The drawings and/or documents listed in the Appendix(es) are not included. Operators who wish to accomplish this Service Bulletin should apply to Pilatus Aircraft Ltd. for the latest revisions of the drawings and/or documents listed in the Appendix(es).

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 local Airworthiness Authorities for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

G. Manpower

	Total
Preparation	3.0
Installation of Beacons	2.0
Installation Wiring	8.0
Close up	3.0
TOTAL MAN-HOURS	16.0

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

H. Weight and Balance

(1) Weight Change

+ 1.6 kg (3.52 lb.)

(2) Moment Change

+ 13.76 mkg (1191.8 in lb.)

I. Electrical Load Data

From the BATTERY BUS:

Maximum: 8.0 Amps - both lamps come on.

Average: 5.6 Amps with both lamps at 40% duty cycle.

Minimum: 4.0 Amps (2 Amps drawn by flasher electronics and current which keeps the filament warm to prevent failure as a result of thermal shock).

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM), Chapters 06-20-00, 24-00-00, 25-10-01, 25-10-03, 25-21-01, 25-21-05, 25-21-06, 25-21-07, 25-22-01, 25-22-04, 25-23-01, 27-30-00 and 24-30-07.

Wiring Manual (WM), Chapter 33-43-00.

L. Publications Affected

Illustrated Parts Catalog (IPC), Chapter 33-40-00.

Wiring Diagram Manual (WDM), Chapters 24-52-10, 33-43-00 and 33-46-00.

M. 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 or:

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

General Aviation:
Tel: + 41 41 619 6208
Fax: + 41 41 619 7311
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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.