

SERVICE BULLETIN

SERVICE BULLETIN NO: 33-001

REF NO: 081

MODIFICATION NO: ECN-98-0237, ECN-04-0060, EC-08-0741

ATA CHAPTER: 33

LIGHTS - EXTERIOR RECOGNITION LIGHTS

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 MSN 229. This Service Bulletin will be accomplished, at PILATUS's facilities, on aircraft MSN 164.

B. Concurrent Requirements

The PC-12 SB 33-002, Lights - Exterior - Red Anti-collision Beacons, can also be installed at the same time as this Service Bulletin.

C. Reason

(1) Problem

Customers have requested more aircraft exterior lighting to act as recognition lights and to supplement the landing lights. These recognition lights can be used independently from the landing lights.

(2) Cause

The aircraft landing lights can only be turned on when the landing gear is down and locked.

The need to have a pair of recognition lights which provide extra illumination and which are controlled separately from the landing lights that are there.

(3) Solution

Install a recognition light, in the forward end of the outboard flap fairing, under each wing.

D. Description

This Service Bulletin removes the outboard flap fairings, from under both wings (FR 13), and installs mounting brackets, new wiring, a circuit breaker and switch, together with the recognition lights which are mounted in new outboard flap fairings.

Revision No. 1 is issued to change the part numbers of the left and right fairings (52 QB and 62 QB) and the left and right headlamp glasses. It also updates the approval authority reference, adds modification 04 0060 and corrects item numbers in Para. 3.H.(5).

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Revision No. 2 changes the Effectivity and updates the Service Bulletin to the latest standard.

Revision No. 3 changes the part number of the headlamp glass and the attachment parts.

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	1.50
Installation of the Lights	9.00
Close up	1.50
TOTAL MAN-HOURS	12.00

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

H. Weight and Balance

- (1) Weight Change
+4.26 kg (9.38 lb).
- (2) Moment Change
+26.65 mkg (2310.60 in. lb).

I. Electrical Load Data

From the Generator Bus 1:

Nominal:	1.6 Amps per lamp = 3.2 Amp (total)
Activation:	8.5 Amps at 18 VDC = 17 Amps (total) 5.5 Amps at 28 VDC = 11 Amps (total)

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM), Chapters 06-20-00, 20-31-00, 24-00-00, 24-30-07, 25-10-01, 25-10-03, 25-10-04, 25-21-01, 25-21-05, 25-21-06, 25-21-07, 25-22-01 and 25-22-04.

L. Publications Affected

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

M. Interchangeability of Parts

Not applicable.