

SERVICE BULLETIN

SERVICE BULLETIN NO: 24-020

REF NO: 177

MODIFICATION NO: 03-0100

ATA CHAPTER: 24

ELECTRICAL POWER - DC ELECTRICAL LOAD DISTRIBUTION CHANGE LDG LIGHT RH CIRCUIT-BREAKER FROM NON ESSENTIAL BUS TO GENERATOR BUS

1. Planning Information

A. Effectivity

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

B. Concurrent Requirements

None.

C. Reason

(1) Problem

For commercial single-engine Instrument-Meteorological-Condition flights some Authorities make it necessary that all landing lights are available at all times.

(2) Cause

The right landing light is energized through the non essential bus. The pilot must override the non essential bus in an emergency to energize the right landing light.

(3) Solution

Move the power supply of the LDG LIGHT RH circuit breaker to one of the generator buses. Thus it will not be necessary for the pilot to override the non essential bus in an emergency to energize the left and right landing lights.

D. Description

This Service Bulletin gives the data and instructions to change the power supply for the LDG LIGHT RH from the NON ESSENTIAL BUS to the GEN 2 BUS (MSN 101 thru MSN 120) or GEN 1 BUS (MSN 121 and subsequent).

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

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	2.5
Change Location of the CB	3
Close up	3
TOTAL MAN-HOURS	8.5

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

An intermittent load of no more than 8 Amps is changed from the:

- NON-ESS bus to the GEN 2 bus (MSN 101 thru MSN 120)
- NON-ESS bus to the GEN 1 bus (MSN 121 and subsequent).

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM), 06-20-00, 24-00-00, 24-30-07, 25-10-01, 25-10-03, 25-221-07 and 33-40-00.

L. Publications Affected

Illustrated Parts Catalog (IPC), 11-30-00 and 24-50-00.

AMM, 31-31-00, 33-41-00 and 33-41-01.

Pilots Operating Handbook.

M. Interchangeability of Parts

Not affected.

2. Material Information

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 LIAISON MANAGER,
CH-6371 STANS,
SWITZERLAND

General Aviation:
Tel : + 41 41 619 6208
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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.