

SERVICE BULLETIN

SERVICE BULLETIN NO: 24-008

REF NO: 070

MODIFICATION NO: 98 0057

ATA CHAPTER: 24

ELECTRICAL POWER - EXTERNAL POWER - INSTALLATION OF AN EXTERNAL POWER CONTROL UNIT

1. Planning Information

A. Effectivity

All PC-12 and PC-12/45 aircraft from MSN 101 up to and including MSN 230.

This Service Bulletin will be incorporated prior to delivery on aircraft MSN 231 and subsequent.

B. Reason

To provide better protection of the aircraft electrical system against an external over (29.5 VDC) and under-voltage (23 VDC), and reverse polarity of the external power supply, and to allow, without power loss, switching from external power to internal power.

Revision 1 to this Service Bulletin revises a wire number and gives the necessary data and instructions to install diode CR204.

Revision 2 to this Service Bulletin revises the effectivity statement in Wiring Requirements Para. 2.E. and changes the Part Number of an item in the Mod Kit.

C. Description

Accomplishment of this Service Bulletin consists of the tasks that follow:

- (1) The installation of an external power control unit and the necessary wiring.
- (2) Replace the EXT PWR switch on the Electrical Power Management panel in the cockpit.

D. Compliance

Optional.

E. Approval

The technical aspects of this Service Bulletin have been approved by the Federal Office for Civil Aviation (FOCA) of Switzerland.

NOTE: 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.

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F. Manpower

FOR PLANNING PURPOSES

Preparation	5.0
Modification of EPCU	10.0
Modification of Switch	1.0
System Test	1.0
Close-Up	6.0
TOTAL MAN-HOURS	23.0

NOTE: Man-hours figures are calculated for units installed in the aircraft and represent the total time estimated for the task.

G. Material - Cost and Availability

(1) Material

Operators should send orders, for Service Bulletin modification kits, to their Authorized Pilatus PC-12 Service Center.

or:

PILATUS AIRCRAFT LTD,
CUSTOMER LIAISON MANAGER,
CH 6371 STANS Tel: +41 41 619 63 19
SWITZERLAND Fax: +41 41 610 33 51

NOTE: Operators are requested to advise Pilatus Aircraft Ltd, using the Service Bulletin Evaluation Sheet, of the Manufacturer's Serial Number (MSN) and the flying hours of aircraft which are allocated for this Service Bulletin.

(2) Cost and Availability

H. Tooling

None.

I. Weight and Balance

Not Affected.

J. References

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

Wiring Manual (WM), Chapters 06-00-00, 24-30-10, 24-30-31 and 24-40-00.

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K. Publications Affected **FOR PLANNING PURPOSES**

Aircraft Maintenance Manual (AMM), Chapter 24-30-00, 24-40-00

Illustrated Parts Catalog (IPC), Chapter 24-40-00.

Wiring Manual (WM), Chapter 24-30-10, 24-30-31 and 24-40-00.