

SERVICE BULLETIN

SERVICE BULLETIN NO: 24-002

REF NO: 006

MODIFICATION NO:

ATA CHAPTER: 24

RE-ROUTING OF THE STARTER-GENERATOR AND GENERATOR 2 POWER RETURN CABLES

1. Planning Information

A. Effectivity

- (1) All aircraft from MSN 101 up to and including MSN 147 must be modified to this Service Bulletin at Revision No: 1.

NOTE: Aircraft from MSN 101 to 135 might have incorporated this Service Bulletin at the initial issue.

NOTE: Aircraft MSN 136 to 147 have had the initial issue of this Service Bulletin prior to delivery.

- (2) Aircraft MSN 148 and subsequent will have this Service Bulletin Revision 1 incorporated prior to delivery.

B. Reason

Excessive deviations occur on the standby magnetic compass when some systems are operated, due to the magnetic field produced by the electrical current in the aircraft structure. This SB introduces new power return cables for the starter-generator and generator 2, which reduce the magnetic fields and in turn reduce the deviation.

C. Description

Accomplishment of this Service Bulletin consists of completing the following tasks:

- (1) Remove both crew seats (Ref. AMM 25-10-01 or 25-15-01).
- (2) Remove cabin furnishings to Frame 16.
- (3) Make two holes in the Firewall (Frame 10).
- (4) Remove the existing P41A0N cable from the starter/generator to bulkhead (Frame 10).
- (5) Remove the existing P75A4N cable from the second generator to bulkhead (Frame 10).
- (6) Install the new P41A00N cable onto the starter/generator.
- (7) Install the new P75A4N cable onto the second generator.
- (8) Install new P41A00N cable onto Frame 16.
- (9) Install new P75A4N cable onto Frame 16.
- (10) Install the floor panels, side walls and cabin furnishings.
- (11) Install both crew seats (Ref. AMM 25-10-01 or 25-15-01).
- (12) Do a check swing of the standby magnetic compass (AMM Temporary Revision 34-02).

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FOR PLANNING PURPOSES

D. Compliance

Mandatory.

(1) Aircraft post SB 30-001:

Before the next flight into IMC conditions, but not later than 30 September 1996.

(2) Aircraft pre SB 30-001:

Before 30 September 1996.

E. Approval

The technical aspects of this Service Bulletin have been approved by the Federal Office for Civil Aviation (FOCA) of Switzerland. This Service Bulletin is issued as an Airworthiness Directive.

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.

F. Manpower

Task	Man-hours
Preparation	4.0
Replace cable P41A00N	2.0
Replace cable P75A4N	2.0
Close-Up	4.0
TOTAL MAN-HOURS	12.00

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:

PILATUS AIRCRAFT LTD,
CUSTOMER LIAISON MANAGER,
CH-6370 STANS,
SWITZERLAND.

Tel No: + 41 41 6196 233

Fax No: + 41 41 6103 351

NOTE: Operators are requested to advise Pilatus Aircraft Ltd. of the Manufacturers Serial Number (MSN), the flying hours of aircraft which are allocated for this Service Bulletin.