

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 25-014

REF NO: 092

MODIFICATION NO: EC 06-0574, EC 06-0759, EC 07-0368/A

ATA CHAPTER: 25

EQUIPMENT AND FURNISHINGS - PASSENGER COMPARTMENT INSTALLATION OF A 3-BENCH SEAT TO THE EXECUTIVE MODEL

1. Planning Information

A. Effectivity

(1) PC-12, PC-12/45, PC-12/47 and PC12-47E aircraft which have an executive cabin interior.

B. Concurrent Requirements

SB 25-010 - Equipment and Furnishings - Passenger Compartment - New Baggage Net Installation, can be done at the same time.

C. Reason

(1) Problem

Not applicable.

(2) Cause

Not applicable.

(3) Solution

Remove seats 5 and 6 and install a 3-bench seat. This will then increase the passenger capacity by one person. If SB 25-010 is also incorporated, this can increase the baggage area volume.

D. Description

This Service Bulletin introduces a 3-bench seat at the rear of the aircraft. The configuration gives an increase in baggage space, and at the same time, increases the passenger capacity by one person.

When this modification is done, the aircraft cabin layout configuration code will be changed to EX-4S-3B (Ref. AFM/POH and AMM).

Revision No. 1 of this Service Bulletin deletes the 3-bench seat from the kit and requests that the Operator procures this item separately. It also adds the modification Nos. EC 06-0574, EC 06-0759 and EC 07-0368/A, the models PC-12/47 and PC-12/47E and part numbers in the kit and corrects the weight and balance information. It also updates the Service Bulletin to the latest standard.

E. Compliance

Optional.

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F. Approval

The technical content of this Service Bulletin is approved under the authority of DOA No. EASA. 21J. 357.

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.

G. Manpower

	Total
Preparation	1.5
Installation of 3-Bench Seat	6.0
Close up	1.5
TOTAL MAN-HOURS	9.0

H. Weight and Balance

(1) Average Weight Change

+ 18.75 kg (41.3 lb).

(2) Average Moment Change

+ 150.25 kgm (13,041 lb in).

NOTE: The specific seat and bench weights must be measured and the applicable moment calculated to establish the weight and CG changes (Ref. Tables 1 and 2).

		Interior EX-6S								
		Seat 5		Seat 6		Sum		Bench		Delta
CG	(in)	327.46	(1)	337.47				323.17		
		325.46	(2)							
		x		x				x		
Weight	(lb)	1	+	2	=	4	-	3	=	5
		=		=				=		
Moment	(lb.in.)	6	+	7	=	8	-	9	=	10

Table 1: Weight and Balance Calculation (Imperial Measurement)

NOTE: Measure 1 thru 3, then calculate 4 thru 10.

(1) Interior Code EX-6S-1.

(2) Interior Code EX-6S-2.

		Interior EX-6S									
		Seat 5		Seat 6		Sum		Bench		Delta	
CG	(m)	8.32	(1)	8.57				323.17			
		8.27	(2)								
		X		X				X			
Weight	(kg)	1	+	2	=	4	-	3	=	5	
		=		=				=			
Moment	(kgm)	6	+	7	=	8	-	9	=	10	

Table 2: Weight and Balance Calculation (Metric Measurement)

NOTE: Measure 1 thru 3, then calculate 4 thru 10.

(1) Interior Code EX-6S-1.

(2) Interior Code EX-6S-2.

I. Electrical Load Data

Not changed.

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM), Chapters 22-10-01, 22-10-07, 25-21-01 and 25-21-04.

Illustrated Parts Catalog (IPC) Chapter 25-20-00.

L. Publications Affected

AMM, Chapter 25-21-01.

IPC, Chapter 25-20-00.

Airplane Flight Manual/Pilots Operating Handbook (AFM/POH).

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
eMail: SupportPC12@pilatus-aircraft.com

PILATUS BUSINESS AIRCRAFT LTD.,
PRODUCT SUPPORT DEPARTMENT
11755 AIRPORT WAY
BROOMFIELD, CO 80021.
UNITED STATES OF AMERICA

Tel: 303 465 9099
Fax: 303 465 6040
eMail: Productsupport@PilBal.com

PILATUS AUSTRALIA (PTY.) LTD,
17 JAMES SCHOFIELD DRIVE,
ADELAIDE AIRPORT SA 5950,
AUSTRALIA

Tel: (08) 8234 4433
Fax: (08) 8234 4499
Free Call: 1800 445 007
eMail: info@pilatus.com.au

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.