

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 52-005

REF NO: 135

MODIFICATION NO:

ATA CHAPTER: 52

DOORS - CARGO DOOR MODIFICATION OF THE CARGO DOOR

1. Planning Information

A. Effectivity

All PC-12 and PC-12/45 aircraft from MSN 101 up to and including MSN 400.

B. Concurrent Requirements

None

C. Reason

(1) Problem

(a) Rain Water Leakage.

Rain water can come into the passenger compartment through the hinge assembly when the cargo door is fully open.

(b) Integral Flap Alignment.

In some cargo doors the integral flap assembly (which is pushed to release the cargo door lock mechanism) will not align with the applicable hole in the cargo door.

(2) Cause

(a) Rain Water Leakage.

The fuselage and cargo-door rain gutters (gutters) do not fully prevent leakage through the hinge assembly.

(b) Integral Flap Alignment.

Wear can loosen the flap assembly and cause lateral movement.

(3) Solution

(a) Rain Water Leakage.

Replace the fuselage and cargo door gutters. The new gutters give better protection against leakage.

SERVICE BULLETIN

(b) Integral Flap Alignment.

- (i) Replace the flap with a new assembly which prevents lateral movement.
- (ii) Replace the torsion spring in the lock assembly with a stronger spring to prevent the flap becoming loose.

D. Description

This Service Bulletin gives the data and instructions necessary to do the following procedures:

- 1 - Replace the Fuselage and Cargo Door Gutters
- 2 - Replace the Integral flap and Torsion Spring in the Locking Mechanism

E. Compliance

Optional.

F. Approval

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

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	1.75
Modification - Procedure 1	2.5
Modification - Procedure 2	1.5
Close up	2.0
TOTAL MAN-HOURS	7.75

H. Weight and Balance

(1) Weight Change

Not affected.

(2) Moment Change

Not affected.

I. Electrical Load Data

Not changed.

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM), 25-21-03 or 25-22-03 and 52-70-04.

Structural Repair Manual (SRM), 51-40-01 and 53-20-01.

L. Publications Affected

Illustrated Parts Catalog, 52-30-00.

M. Interchangeability of Parts

Pre and Post Service Bulletin 52-005 gutter and integral flap assemblies are not interchangeable.

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 6319
Fax: + 41 41 619 6224
eMail: pilga@pilatus-aircraft.com

Government:
Tel : + 41 41 619 6509
Fax. + 41 41 619 6224
eMail: rpaterson@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.,
PO BOX 732
MARLESTON SA 5033
AUSTRALIA

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

NOTE: 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.