

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 53-001

REF NO: 049

MODIFICATION NO: 97 0081

ATA CHAPTER: 53

MODIFICATION OF CARGO DOOR SUPPORT ON THE FUSELAGE

1. Planning Information

A. Effectivity

- (1) All aircraft up to and including MSN 180.
- (2) This Service Bulletin will be incorporated on aircraft MSN 102 and prior to delivery on aircraft MSN 181 and subsequent.

B. Reason

Some aircraft, after some time in service, have experienced problems in the initial opening of the cargo door. The cause was found at the shear fitting, installed on the cargo door sill. During aircraft production, the cargo door is installed with zero clearance on the front shear fitting and with 0.2 to 0.4 mm clearance on the rear fitting. This setting assures free movement of the door. The position of the door, within the door frame, is mainly given by the Torlon guide block; installed on the forward door frame. It was found that this guide block wears, causing a forward movement of the door. This then causes the door to make contact at the rear shear fitting which causes a greater amount of friction.

C. Description

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

- (1) Remove the guide block that exists - from Frame 27 - of the cargo forward door surround.
- (2) Install a new nut plate, together with a new shim, an adjustment shim and a new guide block.
- (3) Do an adjustment/test of the cargo door.

D. Compliance

Recommended - to be done when the interior furnishings are removed.

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

Task	Man-hours
Preparation	1.0
Modification	3.0
Close-up	1.0
TOTAL MAN-HOURS	5.0

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 contact your Authorized PILATUS PC-12 Service Center for this Service Bulletin modification kit, or contact the following for further information:

PILATUS AIRCRAFT LTD,
CUSTOMER LIAISON MANAGER
CH 6371 STANS,
SWITZERLAND.

Tel No: +41 41-619 6233
Fax No: +41 41-610 3351

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

(2) Cost and Availability

H. Tooling

None.

I. Weight and Balance

Not Affected.

J. References

Aircraft Maintenance Manual (AMM), Chapter 52-30-00.

K. Publications Affected

Aircraft Maintenance Manual (AMM), Chapter 52-30-00.
Illustrated Parts Catalog (IPC), Chapter 53-30-01.
Structural Repair Manual (SRM), Chapter 53-20-03 (Fig. 3).