

Service Bulletin No: 52-006

Ref No: 151

Modification No: EC-00-0457

ATA Chapter: 52

**DOORS - PASSENGER/CREW DOOR -
ATTACHMENT OF DOOR SUPPORT BRACKETS****1. Planning Information****A. Effectivity**

All PC-12 and PC-12/45 aircraft from MSN 101 thru MSN 460 with door support brackets P/N 552.10.12.175/176/395/396 and door support bracket P/N 552.10.12.179 installed.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

On some aircraft, door support brackets (cable brackets) P/N 552.10.12.175/176/395/396 and door support bracket (counterbalance bracket) P/N 552.10.12.179 have become detached from the passenger/crew door.

(2) Cause

The rivets which hold the door support brackets can, over time, become loose.

(3) Solution

Replace loose rivets on the door support brackets with oversize Huck rivets or Jo-bolts. Operators can also install new, improved cable brackets P/N 552.10.12.419/420. The new cable brackets are attached with four more rivets so the load is less on each rivet.

D. Description

This Service Bulletin gives the procedure to inspect the passenger/crew door cable and counterbalance brackets and replace loose rivets. It also gives the procedure to install new replacement cable brackets.

Revision No. 1 of this Service Bulletin is issued to allow the use of rivets, if required, of a diameter larger than 0.173 in. (4,4 mm) and up to 3/16 in. (0.209 in. (5,31 mm)). It also updates the Service Bulletin to the latest standard.

Revision No. 2 of this Service Bulletin is issued to correct the part number of the new cotter pin from 940.19.02.247 to 940.17.02.349. Additional minor corrections are highlighted with a revision bar. Customers who have already embodied this Service Bulletin do not need to do further work.

E. Compliance

Recommended.

F. Approval

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

PILATUS advises Operators/Owners to check with their local Airworthiness Authorities for any changes, local regulations or sanctions that can affect the embodiment of this Service Bulletin.

G. Manpower

Task	Total
Inspection	1.00
Bracket Replacement	5.00
TOTAL MAN-HOURS	6.00

NOTE: Man-hours figures do not include the time required to cure sealants and adhesives.

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), 12-A-25-21-03-00A-920A-A, 12-A-25-22-03-00A-920A-A and 12-A-52-10-00-00A-040A-A.

Structural Repair Manual (SRM), 12-A-51-40-03-00A-041A-A, 12-A-52-00-02-00A-664A-A.

L. Publications Affected

SRM 12-A-52-10-03-00A-041A-A.

M. Interchangeability of Parts

Cable brackets P/N 552.10.175/176/395/396 are not directly interchangeable with cable brackets P/N 552.10.12.419/420.

2. Material Information**A. Material - Price and Availability**

If you require more information about this modification, please contact us as follows:

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- (1) 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

B. Warranty

Credit will be issued for all affected aircraft, on approval of a warranty claim, provided:

- The work is done by an authorised Service Center within 12 months from the effective date of this Service Bulletin
- and
- The aircraft is in the 7 year airframe warranty period at the time the Service Bulletin is done.

The warranty claim is applicable to the replacement of the rivets only (5 Man-hours), the bracket replacement is optional and is therefore not covered by warranty.

C. Material Necessary for Each Aircraft

NOTE: Part numbers given in this Service Bulletin are correct at the time of approval. Pilatus Aircraft Ltd. reserves the right to change the part numbers as necessary. Part numbers of items delivered with the Modification Kit are correct when the kit is dispatched. If parts, that is, rivets are not available, use alternatives, given in this Service Bulletin.

(1) Additional Material to be Procured

The cable brackets are necessary only if Operators make a decision to replace them.