

SERVICE BULLETIN

SERVICE BULLETIN NO: 35-004

REF NO: 178

MODIFICATION NO: 030413

ATA CHAPTER: 35

OXYGEN - PASSENGER OXYGEN OXYGEN PIPES - CHANGE THE ROUTING POSITIONS

1. Planning Information

A. Effectivity

PC-12 and PC-12/45 aircraft with an executive interior and a six, seven or eight-seat oxygen system as follows:

MSN	MSN	MSN	MSN
124	166	401	405
407	411 thru 414	417 thru 424	427
429 thru 430	432 thru 433	435 thru 437	439
441	443 thru 444	446 thru 465	468 thru 470
472 thru 475	478 thru 490	492	494 thru 496
498 thru 516	518 thru 522	524	

B. Concurrent Requirements

None

C. Reason

(1) Problem

It is possible for chaff damage to occur in the passenger oxygen pipe-assemblies (pipes) (535.21.12.076) and (535.21.12.054) in aircraft with executive interiors. These pipes are installed on the fuselage structure above the cabin headliner. The oxygen pipes are not pressurized at all times. The pipes are pressurized only on crew selection or automatically if the cabin pressurization fails above 13500 ft (4117 m).

(2) Cause

The chaff damage occurs because the clearance distances are not sufficient between the pipes and some of the cabin lighting components in the headliner.

(3) Solution

Increase the clearance distances between the pipes and the applicable lighting components to prevent the damage. To do this the pipe routing must be changed and the forward pipe (535.21.12.076) replaced.

D. Description

This Service Bulletin gives the data and instructions to

- (a) On aircraft with six, seven or eight-seat oxygen-systems:
 - (i) Replace the forward pipe (535.21.12.076)
 - (ii) Examine for damage the:
 - overhead panel
 - interior light power-supply units.
- (b) On aircraft with eight-seat oxygen-systems:
 - (i) Examine the aft pipe (535.21.12.054) for damage.
 - (ii) Change the locations of the aft-pipe clip mounting-angles.

E. Compliance

Mandatory.

Required at the next Annual Service but not later than 31 December 2004.

F. Approval

The technical content of this document is approved by the Federal Office for Civil Aviation (FOCA) of Switzerland as an Airworthiness Directive

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 6 or 7 Seat	Total 8 Seat
Preparation	8.0	8.0
Modification of the aft pipe routing	X	1.5
Replacement of forward pipe	0.5	0.5
Close up	10.0	10.0
TOTAL MAN-HOURS	18.5	20

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.

SERVICE BULLETIN

I. Electrical Load Data

Not changed.

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM), 25-21-03 and 35-00-00.

Structural repair Manual (SRM), (Ref. SRM 51-40-01)

Illustrated Parts Catalog (IPC), 35-20-00.

L. Publications Affected

Illustrated Parts Catalog (IPC), Chapter 35-20-00.

M. Interchangeability of Parts

Pre and Post SB 35-004 forward pipes 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 SUPPORT MANAGER,
CH-6371 STANS,
SWITZERLAND

General Aviation:
Tel: + 41 41 619 6208
Fax: + 41 41 619 7311
eMail: SupportPC12@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.