

**SUBJECT: HONEYWELL SERVICE INFORMATION LETTER: SIL-2959A-21-01 NOISY SOLENOID
(PRIMARY SHUT OFF VALVE)**

Date: Feb 06/14

To all Pilatus Customers, Operators and Service Centers (Maintenance Organizations).

Applicability: Pilatus PC-12 Primary Shut-Off Valve (PSOV) part number: 2959A000 (Pilatus P/N 959.90.20.132).

This Service Letter is issued to draw attention to the following vendor information:

HONEYWELL SERVICE INFORMATION LETTER (SIL) NO. SIL-2959A-21-01

Some operators of Pilatus PC-12 have reported hearing noise from the Primary Shut-off Valve (PSOV) when the solenoid is energized.

Honeywell International Inc have issued Service Information Letter SIL-2959A-21-01, dated 6/21/2013 to advise operators of action required.

Pilatus recommends that operators of PC-12 aircraft equipped with Primary Shut-Off Valve (PSOV) part number: 2959A000 (Pilatus P/N 959.90.20.132) read Honeywell SIL-2959A-21-01 and take the recommended action.

Refer to the latest revision of SIL-2959A-21-01.

Operators requiring further information on this subject, please contact one of the addresses given below:

PILATUS AIRCRAFT LTD.
CUSTOMER SUPPORT MANAGER
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Tel: +41 41 619 3333
Fax: +41 41 619 7311
eMail: SupportPC12@pilatus-aircraft.com

PILATUS BUSINESS AIRCRAFT LTD.
PRODUCT SUPPORT DEPARTMENT
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Tel: +1 303 465 9099
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eMail: Productsupport@PilBal.com

PILATUS AUSTRALIA PTY LTD.
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ADELAIDE AIRPORT SA 5950
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Tel: +61 8 8238 1600
Fax: +61 8 8234 4499
Free Call: +61 1800 445 007
eMail: supportpc12@pilatus.com.au

Attachments:

Honeywell Service Information Letter, SIL-2959A-21-01, revision 0, dated 6/21/2013

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Aircraft Type: Pilatus PC12

ATA Chapter: 21

Subject: Noisy Solenoid

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Transmittal Information

Honeywell Pub. No. 21-10-46

Summary

Applicable to:

Pilatus PC12 Primary Shut-Off Valve (PSOV) part number: 2959A000 (Pilatus P/N 959.90.20.132).

Subject:

Required action if a "Noisy" Primary Shut off Valve (PSOV) solenoid is suspected.

Reason:

Some operators of the Pilatus PC12 have reported hearing noises originating from the PSOV when the solenoid is energized.

Technical Description:

The condition reported by some operators as "Noisy" PSOV is a condition that cannot be quantified by a test procedure, and is not detectable when tested in accordance with the ATP. However, when the valve is subjected to test conditions beyond the requirements of the ATP, on occasions it has been possible to produce a noise originating from the solenoid, although this noise does not replicate the intensity of the noise when the valve is installed on the airframe. When the PSOV is connected to the airframe, the noise is increased by the airframes natural acoustics producing resonance frequencies which intensifies the noise level. Whereas when the valve is under test conditions the valve is isolated from equipment that produces natural acoustics and resonance frequencies, as a consequence it is very difficult to detect a noisy PSOV to confirm the same defect.

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The noise can be likened to a loud buzzing sound originating from the pressure bulkhead fire wall, which can intermittently start or stop during engine running.

Purpose:

This SIL gives instructions to the operator on what to do if a PSOV is considered “Noisy” to ensure the condition is correctly investigated.

Procedure:

If the operator suspects a PSOV as being “Noisy” returned the valve to a Honeywell repair facility. The repair order should include the following details:

- a) PSOV identified as a “Noisy Valve”.
- b) Where possible include operational conditions at the time the valve was noted to have noises transmitting from it.
- c) Reference: SIL – 2959A-01.
- d) Request Investigation required reference Product Investigation Report No. 307805190.

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