

ADVISORY WIRE

AW300-29-0079, Rev.1

DATE: April 17, 2009

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FROM: BOMBARDIER CUSTOMER SERVICES BUSINESS AIRCRAFT

ADVISORY WIRE

REFERENCE NO: AW300-29-0079, Rev.1

SUBJECT: Hydraulic Pressure Transducer Failure

EFFECTIVITY: BD100-1A10 (20003 - 20999)

ATA: 29-31

This Advisory Wire contains Operational and Maintenance Information

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1.0 REFERENCE:

- 1.1 SB100-29-13, Rev.01 – Modification – Hydraulic-Pressure Indicating System – Relocation of the Pressure transducer for the Left Hydraulic System released April 15th 2009.

2.0 INTRODUCTION:

The revision to this Advisory Wire is to inform Operators of the recent release of the Ref 1.1 service bulletin. Compliance with this service bulletin will help improve the reliability of the left hydraulic pressure indicating system.

3.0 DESCRIPTION:

Vibrations present on the left pressure filter manifold can cause failure of the left pressure transducer (MT83) and/or the left pressure transducer connector (MT83P1).

The failure of the left pressure transducer (MT83) and/or the left pressure transducer connector (MT83P1) will result in:

- Erratic display of the left hydraulic system pressure indication
- Loss of the left hydraulic system pressure indication (magenta dashes displayed)
- Display of the following cyan cascading CAS messages, BRAKE FAULT, FLAP FAULT and SPOILER FAULT

The purpose of this Service Bulletin is to relocate the left pressure transducer (MT83) away from the pressure filter manifold in order to reduce the exposure of the transducer to the system vibrations.

Compliance with the Ref 1.1 service bulletin will greatly improve the reliability of the left hydraulic pressure indicating system. Since August 2008, several aircraft were modified per the service bulletin requirements and successfully completed the field evaluation; no failures have been reported to date.

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4.0 ACTION

In order to reduce the risk of left hydraulic pressure indication failure, we suggest that Operators comply with the Ref 1.1 service bulletin at their earliest possible convenience.

Operators should be aware that the Ref 1.1 service bulletin is covered by a dedicated campaign. To ensure a timely and effective return/upgrade program, advance scheduling is required. Please contact your Regional Manager (RM), Field Service Representative (FSR) or Customer Services Account Manager (CSAM) to enroll in the upgrade campaign.