

ADVISORY WIRE

AW300-32-0078

DATE: January 14, 2008

PAGE: 1 OF 3

FROM: BOMBARDIER CUSTOMER SERVICES BUSINESS AIRCRAFT

ADVISORY WIRE

REFERENCE NO: AW300-32-0078

SUBJECT: Main Wheel Assembly - Introduction of Improved Fuse Plug Assembly

EFFECTIVITY: BD100-1A10 (20003 - 20999)

ATA: 32

This Advisory Wire contains Maintenance Information

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ADVISORY WIRE

AW300-32-0078

DATE: January 14, 2008

PAGE: 2 OF 3

1.0 REFERENCES:

- 1.1 Goodrich Service Bulletin (SB) 3-1609-32-2, Main Wheel Assembly-
Introduction of Improved Fuse Plug Assembly

2.0 INTRODUCTION:

This Advisory Wire is issued to inform Operators that the Ref 1.1 Goodrich SB is now available on the Bombardier CIC web site and that the new fuse plug assembly will be available to Operators on a one-time basis free of charge.

3.0 DESCRIPTION:

Operators have reported main tire pressure loss at fuse plug. Some of the plugs that were reportedly leaking were returned to Goodrich for investigation. The plugs were confirmed to be leaking and samples were subjected to a metallurgical examination. The results indicated that the majority of plugs leaked due to a separation of the fusible material from the body.

Goodrich has re-designed the fuse plug to address the leakage between the fuse plug body and core material; the fuse plug body is changed from steel to aluminum. Goodrich has also changed the o-ring based on supplier's recommendations for a better o-ring stretch and squeeze. Testing with the new fuse plug design showed a significant performance improvement and was completed with no lab failure.

There is no change to the thermal performance of the new fuse plug since the fusible material did not change. This new fuse plug assembly has an identification letter engraved on the end of the fuse plug body to differentiate it from the old assembly. Part number 542-7 replaces part number 49-291-2 and has an engraved "W".

ADVISORY WIRE

AW300-32-0078

DATE: January 14, 2008

PAGE: 3 OF 3

4.0 ACTION:

Operators should be aware of the Ref 1.1 Goodrich SB. The new fuse plug assembly is free of charge for all in service aircraft and spare wheels for the initial replacement. This one time free of charge offer is valid until June 30, 2008.

To obtain new fuse plug assemblies, Operators can place a No-Charge Purchase Order (NCPO) with Bombardier for one free ship set of 12 fuse plugs per aircraft, plus 3 additional fuse plugs for each spare wheel they own. The NCPO must refer the Ref 1.1 Goodrich SB and show the aircraft serial number(s).

Aircraft can operate with wheels having different fuse plugs installed but the new fuse plug is not intermixable with the current fuse plug on a same wheel.