

BOMBARDIER

AEROSPACE
Bombardier Inc.
13100, Henri-Fabre Blvd
Mirabel, Québec H7N 3C6
thd.crj@aero.bombardier.com
TEL 514-855-8500
FAX 514-855-8501

SERVICE LETTER

In-Service Engineering

CRJ700/705/900-SL-32-039

ATA: 3212

DATE: 23 Dec 08

SUBJECT: Body Fairing Seal Inspection Common to MLG Inboard Door

MODEL: CL-600-2C10 (CRJ700) and CL-600-2D24 (CRJ900) CL600-2D15 (CRJ705)

APPLICABILITY: ALL

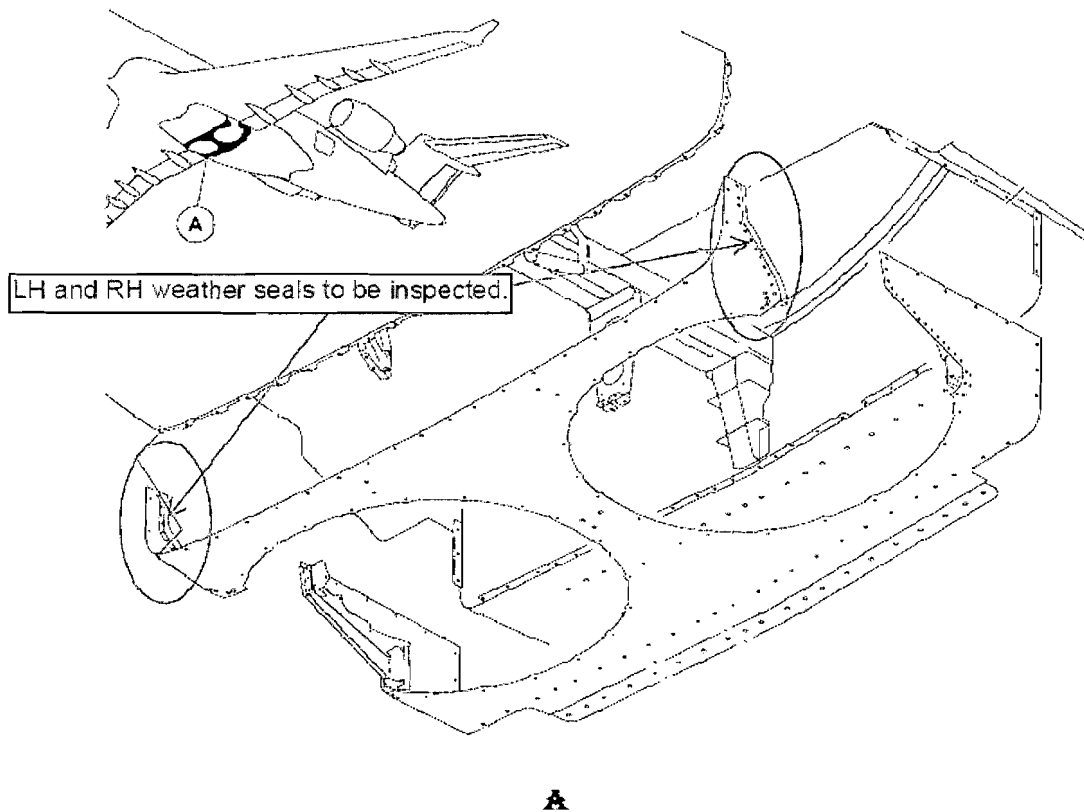
PURPOSE:

To provide the operators with guidelines on doing an inspection of the Body fairing seal common to the MLG inboard Doors.

DISCUSSION:

AOM-494 introduced that an operator recently experienced a left MLG up landing. Following preliminary findings of the event, it was observed that the MLG inboard door edge was in contact with its mating body fairing rubber seal / internal metallic stiffener (ref; CC670-39244).

Improper positioning of the door (possibly due to rigging) could result in extra pressure on the seal / premature wear of the rubber covering the metallic stiffener thus causing the metal stiffener to be exposed. This condition could potentially result contact with the MLG Door and in restricted movement of the main landing gear during extension.



BOMBARDIER ACTION:

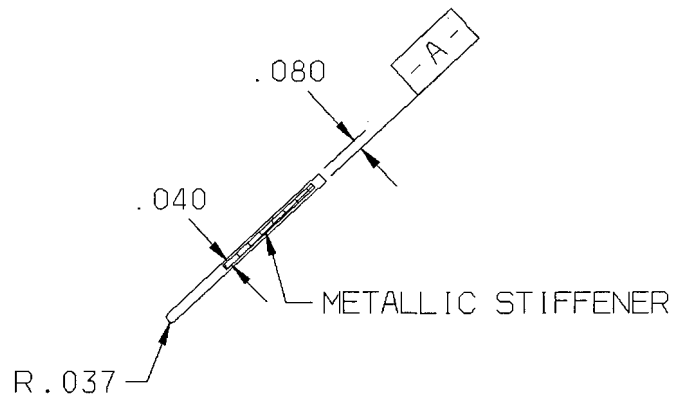
Bombardier is continuing the investigation into the subject event and will provide more formal guidance in the near future.

OPERATOR ACTION:

As an interim action:

Bombardier recommends that operators perform the following general visual inspection at next convenient maintenance opportunity (ex 72 hrs or 100 FH) as follows:

- Inspect the body fairing seal common to the area highlighted above for damage
- If the seals are worn to the point where the inner metallic stiffener is clearly visible; Bombardier recommends the following actions:



SECTION : A-A

Silicone rubber seal with metallic stiffener within, ref. CC670-39244

ACTIONS

1. Replace the damaged seal and do the following steps:
 - Rig the affected MLG inboard door per AMM TASK 32-12-01-220-801 (Configuration A01 or A02)
 - Ensure clearance check (step & gap) of the MLG doors (aircraft jacked & gears retracted) is performed
 - Ensure there is no contact between inboard door and body fairing edge during extension of the gear

OR

2. Remove the MLG Inboard door per Configuration Deviation List (CDL) (as a temporary measure if parts & manpower is not available)
 - AFM section 8, 32--12 Main landing gear door – Inboard door, P/N CC670--10520

Bombardier Aerospace Commercial Aircraft will provide more information and guidance as the investigation progresses.

Please direct responses and inquiries to your Bombardier Aerospace Regional Aircraft Field Service Representative or the Technical Help Desk in Montreal at telephone number (514) 855-8500 or facsimile (514) 855-8501 or e-mail thd.cri@aero.bombardier.com

Original signature on file

Jacques Desmarais
CRJ200/700/900 Hydro-Mechanical
Systems
CRJ In-Service Engineering

Original signature on file

Herman Bijl
Manager
CRJ In-Service Engineering