



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

**CIVIL AVIATION DEPARTMENT
MINISTRY OF TRANSPORT AND CIVIL AVIATION**

Male'
Republic of Maldives

AIRWORTHINESS DIRECTIVE

No. CAD/DHC-8/08
03 July 2000

APPLICABILITY

DHC-8 aircraft
Models 102, 103, 106, 201, **202**, 301, 311, 314 and 315
Serial Numbers 003 through 539 excluding Aircraft Serial Number 540

SUBJECT

Doors - Passenger Door - Shorten Length of Access Door - ModSum 8Q100458.

REFERENCE

Service Bulletin Number 8-52-48, issued by Bombardier Aerospace on 17 April 2000.

REASONS

Reports have indicated that an interference exists between the airstair door external operating handle and the access door. The interference occurs when the airstair door external operating handle is rotated 0.22 degrees beyond nominal closed position (rotating inboard of the outside skin line), usually during closure of the passenger door. In this condition the airstair door external operating handle is trapped inboard of the access door which only rotates inwards. Should this happen it would not be possible to open the door from inside the aircraft.

DESCRIPTION

The existing door length is measured and recorded. If the total length of the access door is 2.395 inches the ModSum rework will not be required. If the total length of the access door is 2.495 inches the door will require trimming to provide the necessary clearance between the access door and airstair door external operating handle assembly.

The access door is depressed, the airstair door external operating handle is pulled down and the airstair door is lowered. Protective barriers are installed to prevent damage to adjacent surfaces and to reduce swaft contamination from entering the door lift housing mechanisms. The access door is marked, trimmed and radiused as required. The exposed surfaces are treated with alodine, primed with an epoxy chromated primer and then painted with a polyurethane enamel paint to match the aircraft's existing paint scheme. The access is then re-identified as 8Z6209-101.

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COMPLIANCE

ModSum 8Q100458 is mandatory and shall be carried out within the next 100 hours of operation.

EFFECTIVITY

This directive becomes effective July 10, 2000

Mahmood Razee

DIRECTOR GENERAL OF CIVIL AVIATION