Department of Transport

Part Design Approval

This approval is issued to:

3Points Aviation
91 Watts Avenue
Charlottetown, Prince Edward Island
Canada C1E 2B7

Number: PDA19-31
Issue No.: 1
Approval Date: August 02, 2019
Issue Date: August 02, 2019

Responsible Office:	Prairie and Northern
Aeronautical Product Type or Model:	Bombardier DHC-8-101, DHC-8-102, DHC-8-103, DHC-8-106, DHC-8-201, DHC-8-202, DHC-8-301, DHC-8-311, DHC-8-314, DHC-8-315
Canadian Type Certificate or Equivalent:	A-142
Replacement Part:	MLG Downlock Indicator Selected Parts Replacement (See Eligibility List)

Installation/Operating Data, Required Equipment and Limitations:

Manufacturing of MLG Downlock Indicator Selected Parts Replacement must be in accordance with Transport Canada Civil Aviation (TCCA) approved Avio dg Master Data List MDLF30000123A Revision "—", dated July 3, 2019 or later TCCA approved revision.

Replacement parts are to be installed, inspected and maintained in accordance with the applicable maintenance manuals appropriate to the aircraft listed above. Replacement parts introduce no new limitations or maintenance requirements.

ELIGIBILITY LIST

OEM P/N	3Points Aviation P/N	Description
83210322-001	83210322-001-3PA	Support Assy, Cable
83210092-101	83210092-101-3PA	Bushing, Static Ground
83210022-105	83210022-105-3PA	Washer, Cup

— End —

Conditions: The installation of the approved part is to be limited only to the type / model of aeronautical product(s) listed above

Scott W. Wales
For Minister of Transport

Canada

Transport Canada / Transports Canada

Aircraft Certification
800-1601 Airport Road N. E.
Calgary, AB.
T2E 6Z8

Your file *Votre référence*

Our file *Notre référence*
C-19-0530

August 2, 2019

3Points Aviation
91 Watts Avenue
Charlottetown, Prince Edward Island
C1E 2B7

Subject: Issue of Part Design Approval PDA19-31 Issue 1 – MLG Downlock Indicator Selected Part Replacement

This Part Design Approval (PDA) is issued in response to your July 4, 2019 application submitted for the subject approval.

The transfer of PDA PDA19-31 in the name of another person requires prior approval from the Minister in accordance with Canadian Aviation Regulations (CAR) Section 521.357.

The requirements of CAR Subpart 561, apply were parts are manufactured and offered for sale. The provisions of CAR Section 571.13 allows for the installation of replacement parts approved under a PDA.

A Canadian Holder is required to fulfil the responsibilities of a Design Approval Document Holder in accordance with CAR Subpart 521, Division VIII, including the reporting of any service difficulties experienced with their product. Therefore, should you become aware of any defect, malfunction or failure resulting from the design change, it is your responsibility to submit a Service Difficulty Report to Transport Canada.

Best regards,

Scott W. Wales
Senior Engineer, Aircraft Certification
Prairie & Northern Region – Calgary
(403) 292-5036

Canada

Avio dg Inc.
120, 4954 Richard Road SW
Calgary, AB T3E 6L1
Canada

BOMBARDIER DHC-8 MLG DOWNLOCK INDICATOR SELECTED PARTS REPLACEMENT

Master Data List

MDLF30000123A

Revision --

Prepared By: M. Jaques

Released By:

AVIO dg
TRANSPORT CANADA
DESIGN APPROVAL ORGANIZATION
NO.: 17-C-01

APPROVED

By: API
Appr'l Date: 02 Aug 2019
Appr'l No.: PDA19-31
Issue No.: 1

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Record of Revisions

Revision	*Date*	*Description*
--	03 Jul 2019	Initial Release

1. GENERAL

The following is a list of all the documents that are approved for the MLG Downlock Indicator Selected Parts Replacement in the Bombardier DHC-8-100/200/300 Series aircraft.

Document Number	Rev	Date	Title
Fabrication Drawings			
83210022-105-3PA	NC	02 Aug 2019	Drawing, Washer, Cup
83210092-101-3PA	NC	02 Aug 2019	Drawing, Bushing, Static Ground
83210322-001-3PA	NC	02 Aug 2019	Drawing, Support Assy, Cable
83210322-001-3P1-3PA	NC	02 Aug 2019	Drawing, Bracket
83210322-001-3P2-3PA	NC	02 Aug 2019	Drawing, Bracket
83210322-001-3P3-3PA	NC	02 Aug 2019	Drawing, Bracket
83210322-001-3P4-3PA	NC	02 Aug 2019	Drawing, Bracket
Substantiation Data – New			
CPF30000123A	--	03 Jul 2019	Certification Plan, Bombardier DHC-8 MLG Downlock Indicator Selected Parts Replacement
32-10-00F30-18-09A1	NC	28 Jun 2019	Structural Substantiation Report, PDA – Downlock Indicator – MLG
32-10-00F30-18-09A2	NC	03 Jul 2019	Fit Form Function Report, Downlock Indicator – MLG