



Department of Transport
Part Design Approval

This approval is issued to:

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

Number: PDA19-16

Issue No.: 1

Approval Date: March 20, 2019

Issue Date: March 20, 2019

Responsible Office:

Prairie and Northern

Aeronautical Product Type or Model:

Bombardier
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:

Pre-Cooler Parts Replacement (See Eligibility List)

**Installation/Operating Data,
Required Equipment and Limitations:**

Manufacturing of Pre-Cooler Replacement Parts must be in accordance with Transport Canada Civil Aviation (TCCA) approved Avio Design Group Master Data List MDLF05001112A Revision "--", dated March 1, 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.

– See Continuation Sheet –



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



NOTE: THIS ADDENDUM SHALL REMAIN PART OF THE CERTIFICATE REFERRED TO THEREIN.

ELIGIBILITY LIST

OEM P/N	3Points Aviation P/N	Description
82110745-103	82110745-103-3PA	Bushing
82110745-101	82110745-101-3PA	Bushing
82110821-101	82110821-101-3PA	Linkage, Pre-Cooler
82110704-003	82110704-003-3PA	Dust Assy, LP Dump Pre-Cooler (Welded)
82110709-001	82110709-001-3PA	Plate Assy, Drip
82110710-101	82110710-101-3PA	Plate, Drip
82110711-101	82110711-101-3PA	Strip, Support
82110725-101	82110725-101-3PA	Seal, Silicone Sponge
82110743-001	82110743-001-3PA	Bracket Assy, Mounting
82110744-001	82110744-001-3PA	Bracket Assy, Mounting

— End —



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 Canada

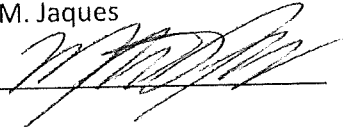
BOMBARDIER DHC-8 PRE-COOLER PARTS REPLACEMENT

Master Data List

MDLF05001112A

Revision --

Prepared By: M. Jaques

Released By: 

	
TRANSPORT CANADA DESIGN APPROVAL ORGANIZATION NO.: 17-C-01	
APPROVED	
By:	 API
Appr'l Date:	20 Mar 2019
Appr'l No.:	PDA19-16
Issue No.:	1

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MDLF05001112A
Revision --

Record of Revisions

<i>Revision</i>	<i>Date</i>	<i>Description</i>
--	01 Mar 2019	Initial Release

1. GENERAL

The following is a list of all the documents that are approved for the Pre-Cooler Parts Replacement in the Bombardier DHC-8-200/300 Series aircraft.

Document Number	Rev	Date	Title
Fabrication Drawings			
82110745-103-3PA	NC	08 Mar 2019	Drawing. Bushing
82110745-101-3PA	NC	08 Mar 2019	Drawing. Bushing
82110821-101-3PA	NC	08 Mar 2019	Drawing. Linkage, Pre-Cooler
82110704-003-3PA	NC	08 Mar 2019	Drawing, Dust Assy, LP Dump Pre-Cooler (Welded)
82110704-003-3P1-3PA	NC	08 Mar 2019	Drawing, Flange
82110704-003-3P2-3PA	NC	08 Mar 2019	Drawing. Cone
82110704-003-3P3-3PA	NC	08 Mar 2019	Drawing. Tube
82110704-003-3P4-3PA	NC	08 Mar 2019	Drawing. Adapter
82110709-001-3PA	NC	08 Mar 2019	Drawing, Plate Assy, Drip
82110710-101-3PA	NC	08 Mar 2019	Drawing. Plate, Drip
82110711-101-3PA	NC	08 Mar 2019	Drawing. Strip, Support
82110725-101-3PA	NC	08 Mar 2019	Drawing. Seal, Silicone Sponge
82110743-001-3PA	NC	08 Mar 2019	Drawing. Bracket Assy, Mounting
82110743-001-3P1-3PA	NC	08 Mar 2019	Drawing. Bracket, Mounting
82110744-001-3PA	NC	08 Mar 2019	Drawing. Bracket Assy, Mounting
82110744-001-3P1-3PA	NC	08 Mar 2019	Drawing. Bracket, Mounting
Substantiation Data – New			
CPF05001112A	--	01 Mar 2019	Certification Plan, Bombardier DHC-8 Pre-Cooler Parts Replacement
21-11-00F05-18-09A1	NC	14 Feb 2019	Structural Substantiation Report, PDA – Pre-Cooler Parts
21-11-00F05-18-09A2	NC	22 Feb 2019	Fit Form Function Report, PDA – Pre-Cooler Parts



Transport Canada Transports Canada

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

Your file Votre référence

March 20, 2019

Our file Notre référence
C-19-0164

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

Subject: Issue of Part Design Approval PDA19-16 Issue 1 – Pre-Cooler Parts Replacement

This Part Design Approval (PDA) is issued in response to your March 12, 2019 application submitted for the subject approval.

The transfer of PDA PDA19-16 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) 690-6527