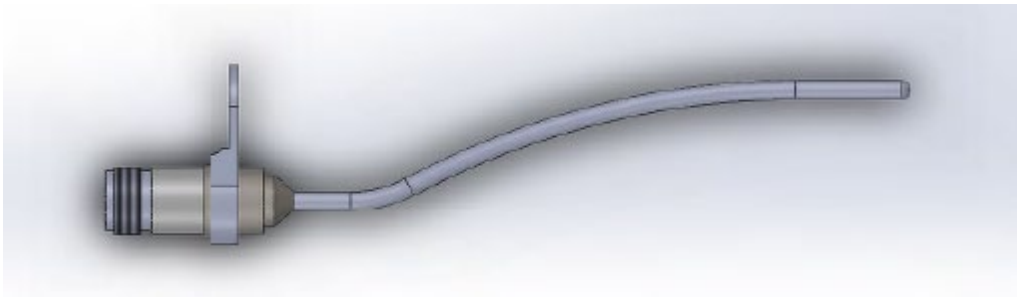




# PRODUCT RELEASE

*PMA Aeroparts P/N 8314-102-00-00AP, Brake  
Temperature Sensor  
FAA Approved Replacement for  
Brion Leroux 8314-102-00-00*



PMA Aeroparts announces the release of our latest FAA approved PMA product, Brake Temperature Sensor, P/N 8314-102-00-00AP. This product is an approved replacement for the OEM P/N 8314-102-00-00. This Brake Temperature Sensor is used on Bombardier Inc. CL-600-2B19 Regional Jet Series 100 and 440.

PMA Aeroparts Brake Temperature Sensor offers several improvements over the OEM. These improvements are detailed in the table below:

Original OEM Issue	Design improvement
Lack of structural rigidity in the probe	Utilized a higher grade alloy resulting in improved probe rigidity
Precision of the thermocouple	Use of thermocouple with accuracy to .1%, 10X more accurate than the OEM
Weld integrity	Incorporated orbital electron beam welds, resulting in a more precise and effective weld.



This PMA was granted on the basis of Test and Computation per 14 CFR 21.303 and is considered a non-critical part.



U.S. Department of Transportation  
Federal Aviation Administration

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

PMA Aeroparts LLC  
11350 66th Street N., Suite 102  
Largo, FL 33773

PMA No.: PQ04309CE  
Supplement No.: 10  
Date: July 16, 2018

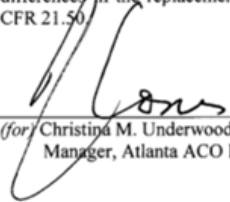
Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Thermocouple, BTS	8314-102-00-00AP	8314-102-00-00	Test & Computation per 14 CFR 21.303 DWG No: 8314-102-00-00AP Rev: IR Date: 8/15/2017 or later FAA-approved revisions	Bombardier Inc.	CL-600-2B19 (Regional Jet Series 100 & 440)

-----END OF DATA-----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.

  
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(for) Christina M. Underwood  
Manager, Atlanta ACO Branch

  
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701 John Kolin  
Manager, Orlando MIDO Section  
System Oversight Division