U.S. Department of Transportation

Federal Aviation Administration

Los Angeles - Manufacturing Inspection District Office
Transport Airplane Directorate
3960 Paramount Boulevard
Lakewood, California 90712-4137

February 12, 2014

Mr. Bruce Killian
Alliance Aerospace Engineering, LLC.
185 Paularino Avenue, Suite A
Costa Mesa, CA. 92626

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Dear Mr. Killian:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products, Articles, and Parts, Subpart K, the FAA has found that the design data, based on a Test and Computation submitted by Alliance Aerospace Engineering, LLC., with your letter dated January 2, 2014, meet the airworthiness requirements of the regulations applicable to the products on wich the articles are to be installed. Additionally, the FAA has determined that Alliance Aerospace Engineering, LLC., has established the quality system required by §21.307 at 185 Paularino Avenue, Suite A., Costa Mesa, CA. 92626. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No.: 12.

You are reminded that the provisions of 14 CFR, parts 21 and 45, noted in our PMA letter of approval dated November 17, 2011, also apply to the enclosed PMA Listing-Supplement No.: 12. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

Wanda A. Kimura
Manager, Los Angeles -Manufacturing
Inspection District Office

Enclosure:
PMA Listing-Supplement No. 12

FOR OFFICIAL USE ONLY
Public availability to be determined under 5 U.S.C. 552

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

ALLIANCE AEROSPACE ENGINEERING, LLC
185 PAULARINO AVE
COSTA MESA, CALIFORNIA 92626

PMA NO: PQ2532NM
SUPPLEMENT NO: 12
DATE: FEBRUARY 7, 2014

PART NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS AND APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Adapter Support Assembly	10-EB 2084-001	2039-2084-001	Test & Computation per 14 CFR § 21.303 Drawing No.: 10-EB 2084 Rev.: "NC" Date: 09/6/2013 or later FAA approved revisions	EMBRAER	EMB-145, EMB-145ER, EMB-145MR, EMB-145LR

NOTE:

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

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

Ronald Atmur

Gregory S. DiLibero
Manager, Airframe Branch
Los Angeles Aircraft Certification Office

Wanda A. Kimura
Manager, Los Angeles Manufacturing Inspection District Office