



U.S. Department
of Transportation
**Federal Aviation
Administration**

Small Airplane Directorate
901 Locust, Room 301
Kansas City, MO 64106

June 20, 2014

Experimental Aircraft Association
Attn: Jonathan Harger
P.O. Box 3086
Oshkosh, Wisconsin 54903-3086

Dear Mr. Harger:

This letter is in response to your inquiry dated February 7, 2014 regarding the installation of Angle of Attack (AoA) systems, which meet the requirements of Air Policy Memorandum AIR100-14-110-PM01, on Normal, Utility and Acrobatic Category airplanes as a minor alteration.

The Small Airplane Directorate views AoA systems, which meet the criteria of Air Policy Memorandum AIR100-14-110-PM01, as non-required equipment that provides a safety benefit. We also recognize that Air Policy Memorandum AIR100-14-110-PM01 did not fully address installation classification issues as defined under 14 CFR 21.93 and 14 CFR 43 Appendix A.

The Small Airplane Directorate has determined that installation of AoA devices which hold a production approval under Air Policy Memorandum AIR100-14-110-PM01 do not represent a major change to type design as defined by 14 CFR 21.93 (a) and thus do not require a Supplemental Type Certificate for installation.

The determination of the installation requirements under 14 CFR 43 Appendix A (major alteration or minor alteration) is more complicated as it is influenced by the aircraft's individual configuration. Therefore, it is the responsibility of the installer to evaluate each installation and make that determination - if the installation might appreciably affect weight, balance, structural strength, performance, powerplant operation, flight characteristics, or other qualities affecting airworthiness; or if it is not done according to accepted practices or cannot be done by elementary operations the alteration should be considered major.


Installation Instructions associated with Air Policy Memorandum AIR100-14-110-PM01 have been accepted as part of the manufacturers production approval, however are not considered FAA approved data for use in documenting major alterations. In some cases, manufacturers may have their installation instructions approved under a Small Aircraft Directorate Memorandum issued to the Chicago ACO on 8 May, 2014. FAA approved installation instructions are denoted by an "FAA Approved" stamp on the first page of the document. If the installer determines that the AoA system installation meets the criteria listed in FAA approved AoA installation instructions, the approved installation data may be used to support the AoA system installation as either a major or minor alteration.

If you have any questions or need additional information regarding the installation of AoA systems as minor alterations, please contact your geographic Flight Standards District Office (FSDO).

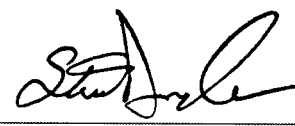
A list of FSDOs and their contact information can be found at the link below:

http://www.faa.gov/about/office_org/field_offices/fsdo/

Sincerely,



Earl Lawrence
Manager, Small Airplane Directorate



Steven W. Douglas
Manager, Aircraft Maintenance Division