



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

Engine & Propeller Directorate

Boston Aircraft Certification Office
12 New England Executive Park
Burlington, MA 01803-5299

MAY 02 2008

Mr. Fred Barber
Director of Certification
Avidyne Corporation
55 Old Bedford Road
Lincoln, MA 01773

Dear Mr. Barber:

Global Alternative Method of Compliance (AMOC)
Airworthiness Directive (AD) 2008-06-28R1, Docket Number Federal Aviation
Administration (FAA)-2008-0340 for Avidyne Corporation Primary Flight Displays
(PFDs) Part Numbers (P/Ns) 700-00006-000, 700-00006-001, 700-00006-002,
700-00006-003, and 700-00006-100

This is in response to your letter dated April 30, 2008, requesting an Alternate Means of
Compliance for Airworthiness Directive 2008-06-28R1, paragraph (e).

This Global AMOC applies to Avidyne Corporation Primary Flight Displays Part Numbers
700-00006-000, 700-00006-001, 700-00006-002, 700-00006-003, and 700-00006-100 that
are installed on, but not limited to the following airplanes that are certificated in any
category:

- (1) Adam Aircraft Model A500;
- (2) Cessna Aircraft Company Model 441 (STEC Alliant Supplemental Type
Certificate (STC) No. SA09547AC-D incorporated);
- (3) Cessna Aircraft Company Models LC42-550FG and LC41-550FG (Columbia
Aircraft Manufacturing and The Lancair Company previously held the type
certificate for these airplanes);
- (4) Cirrus Design Corporation Models SR20 and SR22;
- (5) Diamond Aircraft Industries GmbH Model DA 40;
- (6) Hawker Beechcraft Corporation Model E90 (STEC Alliant STC No.
SA09545AC-D incorporated);
- (7) Hawker Beechcraft Corporation Model 200 series (STEC Alliant STC No.
SA09543AC-D incorporated); and
- (8) Piper Aircraft, Inc. Models PA-28-161, PA-28-181, PA-28R-201, PA-32R-301
(HP), PA-32R-301T, PA-32-301FT, PA-32-301XTC, PA-34-220T, PA-44-180,
PA-46-350P, PA-46R-350T, and PA-46-500TP.

Based upon our review of Avidyne Document AVPFD-471, Rev 00, titled Avidyne Air Data
Evaluation Report, we have determined that PFDs with the serial numbers listed in AD
2008-06-28R1, that have been serviced per Avidyne procedures denoted by Authorized

Deviation Form 08-019A, dated 2/27/2008 or Mod 52 Procedure, Document 702-00006-052, Rev 00, dated 5/1/08, have eliminated the root cause defects that resulted in the unsafe condition addressed in AD 2008-06-28R1. The affected PFDs that have been serviced using the aforementioned procedures are identified by a label marked "Deviation 08-019A on the exterior of the unit in the vicinity of the TSO label or "MOD 52" on the TSO label. Additionally, the aforementioned procedures are limited to implementation at the Avidyne facility located at 202 West Drive, Melbourne, FL 32904.

When installing the serviced PFDs in airplanes with an airplane flight manual (AFM), pilot's operating handbook (POH), airplane flight manual supplement (AFMS), or placard containing the limitations imposed by AD 2008-06-28R1, removal of the imposed limitations is authorized and shall be documented in the aircraft records.

This AMOC is transferable to current and future owners/operators of aircraft identified in the Applicability Section of AD 2008-06-28R1 with the affected PFDs.

Before using this AMOC, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office, or lacking a PI, your local FSDO.

This approval is subject to the following condition: If in the future the Boston ACO determines that this AMOC does not provide an acceptable level of safety, the Boston ACO may revoke or revise the terms of the AMOC following notice to the requester and a seven-day opportunity for the requester to comment on the revocation or proposed revision

FAA approval of a global AMOC applies only to U.S.-registered aircraft. Approval of this type of AMOC for a foreign-registered aircraft is the responsibility of the appropriate CAA of the state of registry.

Sincerely,



Robert G. Mann
Manager, Boston Aircraft Certification Office