



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

September 29, 2009

Mr. Mike Kelly
President
Air Plains Services
P.O. Box 541
Wellington, KS 67153

Small Airplane Directorate
Wichita Aircraft Certification Office
1801 Airport Road, Room 100
Wichita, Kansas 67209

Reply to: L115W-09-792

Dear Mr. Kelly:

Subject: Alternative Method of Compliance (AMOC), Airworthiness Directive (AD)
2007-09-01, Docket Number FAA-2007-27786, Directorate Identifier 2007-
CE-031-AD

A Mandatory Service Bulletin APS-08-01-01 from Air Plains Services Corporation, dated August 15, 2008, has been reviewed by the Wichita ACO. This service bulletin incorporates a re-route design of the ground service receptacle power cable between the starter relay and the ground power receptacle relay. After reviewing Air Plains Services Corporation Mandatory Service Bulletin APS-08-01-01 dated August 15, 2008, the FAA has determined that its implementation provides an acceptable level of safety to AD 2007-09-01 and is considered an AMOC to the subject AD.

Paragraph (c) of the Applicability section of AD 2007-09-01 applies to certain model Cessna 182 aircraft that have Air Plains Services Corporation Supplemental Type Certificate (STC) SA00152WI installed, include a forward ground power receptacle and are certificated in any category. All three criteria are required for AD 2007-09-01 to apply.

Paragraph (e) in the Compliance section of AD 2007-09-01 required the following;
1) removal of the electrical cable by disconnecting the cable at the forward ground power relay and the starter relay, or removing the electrical cable between the forward ground power relay and the starter relay, 2) A placard installed as close as possible to the forward ground power receptacle that states "GROUND POWER RECEPTACLE IS INOPERATIVE" 3) repositioning of the fuel strainer cable per Air Plains Services Corporation Mandatory Service Bulletin APS-07-01-01 dated March 5, 2007, 4) a visual inspection of the fuel line from the auxiliary electric fuel pump to the engine-driven fuel pump for chafing. Chafing limitations are defined in Air Plains Services Corporation Mandatory Service Bulletin APS-07-01-01.

This AMOC of general applicability is granted to allow the use of Air Plains Services Corporation Mandatory Service Bulletin APS-08-01-01, dated August 15, 2008, when complying with AD 2007-09-01. Cessna Aircraft Company Models 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q and 182R modified with Air Plains Services Corporation

STC SA00152WI, which have a ground power receptacle mounted on the firewall and are certificated in any category qualify for this general AMOC against AD 2007-09-01.

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

This approval is subject to the following condition: If in the future the Small Airplane Directorate determines that this AMOC does not provide an acceptable level of safety, the Small Airplane Directorate 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.

The rest of the requirements of AD 2007-09-01 are still followed.

A copy of this letter is kept with the airplane logbook.

If all the above conditions are met, this AMOC is granted for the following Cessna Aircraft Company Model 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q and 182R modified with Air Plains Services Corporation STC SA00152WI, which have a ground power receptacle mounted on the firewall and are certificated in any category. The Wichita Aircraft Certification Office requests that you distribute a copy of this letter to all owners that have STC SA00152WI installed.

This AMOC is transferable.

If you have any questions or require additional information, please contact Mr. Trenton Shepherd at 316-946-4143, by fax at 316-946-4107, or by email at trent.shepherd@faa.gov.

Sincerely,



Charles D. Riddle

Associate ACO Manager, Mechanical Systems & Propulsion
Wichita Aircraft Certification Office