

AIRWORTHINESS DIRECTIVE 2012-03-06
Superior Air Parts, Lycoming Engines (formerly Textron Lycoming), and Continental Motors, Inc. (formerly Teledyne Continental Motors, Continental) Fuel-Injected Reciprocating Engines: Amendment 39-16947; Docket No. FAA-2011-0547; Directorate Identifier 2011-NE-13-AD.

(a) Effective Date This AD is effective February 24, 2012.

(b) Affected ADs This AD supersedes AD 2011-15-10, Amendment 39-16757 (76 FR 45655, August 1, 2011).

(c) Applicability This AD applies to all Superior Air Parts, Lycoming Engines, and Continental Motors, Inc., fuel injected reciprocating engine models with an AVStar Fuel Systems, Inc. (AFS) fuel servo diaphragm, part number (P/N) AV2541801 or P/N AV2541803, installed.

(d) Unsafe Condition This AD was prompted by an accident involving a Piper PA32R-301 airplane, and by the discovery of additional engines being affected by the unsafe condition since we issued AD 2011-15-10, Amendment 39-16757 (76 FR 45655, August 1, 2011). We are issuing this AD to prevent an in-flight engine shutdown due to a failed fuel servo diaphragm, and damage to the airplane.

(e) Compliance Comply with this AD within the compliance times specified, unless already done.

(f) Remove Fuel Servo

(1) Within 5 flight hours after the effective date of this AD, determine if an AFS fuel servo diaphragm P/N AV2541801 or P/N AV2541803, from an affected production lot was installed in your fuel servo at any time after May 20, 2010. Use AFS Mandatory Service Bulletin (MSB) No. AFS-SB6, Revision 2, dated April 6, 2011 to determine if your fuel servo has an affected diaphragm. If you determine that your fuel servo has an affected diaphragm, remove the fuel servo from service before further flight.

(2) After the effective date of this AD, do not install any fuel servo containing an AFS fuel servo diaphragm, P/N AV2541801 or P/

N AV2541803 from the production lots listed in AFS MSB No. AFS-SB6, Revision 2, dated April 6, 2011, into any airplane.

(g) Special Flight Permit

Special flight permits are not authorized.

(h) Alternative Methods of Compliance (AMOCs) The Manager, Atlanta Aircraft Certification Office, FAA, may approve AMOCs for this AD. Use the procedures found in 14 CFR 39.19 to make your request.

(i) Related Information

For more information about this AD, contact Kevin Brane, Aerospace Engineer, Atlanta Certification Office, FAA, 1701 Columbia Avenue, College Park, GA 30337; phone: (404) 474-5582; fax: (404) 474-5606; email: kevin.brane@faa.gov.

(j) Material Incorporated by Reference

(1) You must use AVStar Fuel Systems Mandatory Service Bulletin No. AFS-SB6, Revision 2, dated April 6, 2011, to do the actions required by this AD, unless the AD specifies otherwise.

(2) The Director of the Federal Register approved the incorporation by reference (IBR) under 5 U.S.C. 552(a) and 1 CFR part 51 on August 16, 2011.

(3) For service information identified in this AD, contact AVStar Fuel Systems, Inc., 1365 Park Lane South, Jupiter, FL 33458; (561) 575-1560; Web site: www.avstardirect.com.

(4) You may review copies of the service information at the FAA, 12 New England Executive Park, Burlington, MA 01803. For information on the availability of this material at the FAA, call (781) 238-7125.

(5) You may also review copies of the service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at an NARA facility, call (202) 741-6030, or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Issued in Burlington, Massachusetts, on January 31, 2012. Peter A. White, Manager, Engine & Propeller Directorate, Aircraft Certification Service.