

2010-17-08 Various Aircraft: Amendment 39-16400; Docket No. FAA- 2010-0329; Directorate Identifier 2010-CE-016-AD.

Effective Date

(a) This airworthiness directive (AD) becomes effective September 22, 2010.

Affected ADs

(b) None.

Applicability

(c) This AD applies to all serial numbers of the following aircraft, equipped with a Rotax Aircraft Engines 912 A series engine with fuel pumps, part numbers (P/Ns) 892230, 892232, 892540 (standard version) or P/Ns 892235, 892236, 892545 (version including flexible fuel line) installed, and certificated in any category:

Type Certificate Holder	Aircraft Model	Engine Model
Aeromot-Industria Mecanico Metalurgica Ltda	AMT-200	912 A2
Diamond Aircraft Industries	HK 36 R "SUPER DIMONA"	912 A
Diamond Aircraft Industries GmbH	HK 36 TS	912 A3
Diamond Aircraft Industries Inc.	HK 36 TC	912 A3
HOAC-Austria	DA20-A1	912 A3
Iniziativa Industriali Italiane S.p.A.	DV 20 KATANA	912 A3
SCHEIBE-Flugzeugbau GmbH	Sky Arrow 650 TC	912 A2
	SF 25C	912 A2 or 912 A3

Subject

(d) Air Transport Association of America (ATA) Code 73: Engine Fuel and Control.

Reason

(e) The mandatory continuing airworthiness information (MCAI) states:

Due to high fuel pressure, caused by exceeding pressure in front of the mechanical fuel pump (e.g., due to an electrical fuel pump), in limited cases a deviation in the fuel supply could occur. This can result in exceeding of the fuel pressure and might cause engine malfunction and/or massive fuel leakage.

Non-compliance with these instructions could result in engine damages, personal injuries or death.

We are issuing this AD to prevent the pump from causing excessive fuel pressure, which could result in engine malfunction or a massive fuel leak. These conditions could cause loss of control of the airplane or a fire. The MCAI requires replacing the affected fuel pumps with a different part number fuel pump.

Actions and Compliance

(f) Unless already done, do the following actions:

(1) Within the next 25 hours time-in-service after September 22, 2010 (the effective date of this AD), replace fuel pump P/N 892230, 892232, 892540, 892235, 892236, or 892545 with an FAA-approved fuel pump that does not have one of the P/Ns referenced above following Rotax Aircraft Engines Mandatory Service Bulletin SB-912-053, dated April 13, 2007.

(2) As of September 22, 2010 (the effective date of this AD) do not install fuel pump P/N 892230, 892232, 892540, 892235, 892236, or 892545, on any airplane.

FAA AD Differences

Note: This AD differs from the MCAI and/or service information as follows: The MCAI requires replacing an affected fuel pump with fuel pump P/N 892542 or 892546. This AD requires replacement of an affected fuel pump with an FAA-approved fuel pump that does not have one of the P/Ns referenced in paragraph (f)(1) of this AD.

Other FAA AD Provisions

(g) The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Standards Office, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Sarjapur Nagarajan, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4145; fax: (816) 329-4090; e- mail: sarjapur.nagarajan@faa.gov. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

(2) Airworthy Product: For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(3) Reporting Requirements: For any reporting requirement in this AD, under the provisions of the Paperwork Reduction Act (44 U.S.C. 3501 et seq.), the Office of Management and Budget (OMB) has approved the information collection requirements and has assigned OMB Control Number 2120-0056.

Related Information

(h) Refer to MCAI EASA AD No.: 2007-0060R1-E, dated April 20, 2007; and Rotax Aircraft Engines Service Bulletin SB-912-053, dated April 13, 2007, for related information.

Material Incorporated by Reference

(i) You must use Rotax Aircraft Engines Mandatory Service Bulletin SB-912-053, dated April 13, 2007, to do the actions required by this AD, unless the AD specifies otherwise.

(1) The Director of the Federal Register approved the incorporation by reference of this service information under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) For service information identified in this AD, contact BRP- Powertrain GMBH & Co KG, Welser Strasse 32, A-4623 Gunskirchen, Austria; phone: (+43) (0) 7246 601-0; fax: (+43) (0) 7246 6370; Internet: <http://www.rotax.com>.

(3) You may review copies of the service information incorporated by reference for this AD at the FAA, Central Region, Office of the Regional Counsel, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the Central Region, call (816) 329-3768.

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