

2010-09-09 Piaggio Aero Industries S.p.A.: Amendment 39-16274; Docket No. FAA-2010-0124; Directorate Identifier 2010-CE-002-AD.

Effective Date

(a) This airworthiness directive (AD) becomes effective June 3, 2010.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Model PIAGGIO P-180 airplanes, all serial numbers up to and including serial number 1192, certificated in any category.

Subject

(d) Air Transport Association of America (ATA) Code 28: Fuel.

Reason

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

A failure of fuel pump sealing, due to possible incorrect maintenance procedures and subsequent testing, caused a fuel leakage into the main landing gear bay. Presence of fuel vapours in that zone creates a risk of fire due to presence of potential ignition sources such as electrical equipment and connectors.

As a consequence, this new Airworthiness Directive (AD) requires a functional check of main and stand-by fuel pumps for absence of leakage and an update of the Aircraft Maintenance Manual (AMM).

Actions and Compliance

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

(1) For all airplanes, within 30 days after June 3, 2010 (the effective date of this AD), incorporate PIAGGIO P.180 AVANTI Maintenance Manual Temporary Revisions No. 33 and 34, both dated July 7, 2009; or PIAGGIO P.180 AVANTI II Maintenance Manual Temporary Revisions No. 31 and 41, both dated July 7, 2009, as applicable, in the approved operator's airplane maintenance program, e.g., aircraft maintenance manual (AMM).

(2) For all airplanes equipped with any main or standby fuel pump part number 1C12-43 that has been replaced for any reason on or before doing the action in paragraph (f)(1) of this AD, within 150 hours time-in- service after June 3, 2010 (the effective date of this AD) do a functional inspection of the main and standby fuel pumps for leakage following steps 1 through 14 of the Accomplishment Instructions of PIAGGIO AERO INDUSTRIES S.p.A Service Bulletin (Mandatory) N.: 80- 0278, dated July 15, 2009.

(3) If any leakage is found during the inspection required in paragraph (f)(2) of this AD, before further flight, replace the fuel pump with a serviceable unit following the Accomplishment Instructions in PIAGGIO AERO INDUSTRIES S.p.A Service Bulletin (Mandatory) N.: 80-0278, dated July 15, 2009. For the purpose of this AD, a serviceable fuel pump is a pump where no leakage is found during the functional inspection as instructed in the Accomplishment Instructions of PIAGGIO AERO INDUSTRIES S.p.A Service Bulletin (Mandatory) N.: 80-0278, dated July 15, 2009.

FAA AD Differences

Note: This AD differs from the MCAI and/or service information as follows: No differences.

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. 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.: 2009-0228, dated October 26, 2009; and PIAGGIO AERO INDUSTRIES S.p.A Service Bulletin (Mandatory) N.: 80-0278, dated July 15, 2009, for related information.

Material Incorporated by Reference

(i) You must use PIAGGIO AERO INDUSTRIES S.p.A Service Bulletin (Mandatory) N.: 80-0278, dated July 15, 2009; PIAGGIO P.180 AVANTI Maintenance Manual Temporary Revisions No. 33 and 34, both dated July 7, 2009; and PIAGGIO P.180 AVANTI II Maintenance Manual Temporary Revisions No. 31 and 41, both dated July 7, 2009, 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 Piaggio Aero Industries S.p.a., Via Cibrario, 4--16154 Genoa, Italy; fax: +39 010 6481 881; Internet: <http://www.piaggioaero.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.