

93-11-11 AC, TEXTRON LYCOMING, AND

RAJAY/ROTOMASTER: Amendment 39-8584. Docket 93-ANE-16. Supersedes Priority Letter AD 93-05-21, which superseded Priority Letter AD 92-20-07.

Applicability: AC, Textron Lycoming, and Rajay/Rotomaster-modified high pressure diaphragm fuel pumps, overhauled by Aero Accessories Inc. (AAI) between June 18, 1991, and November 24, 1992; AC model 41234, having AAI serial numbers (S/Ns) 91F006 through 92E050 and 92E052 through 92K008; AC model 40296, having AAI S/Ns 92B002 through 92I155; AC model 41812, having AAI S/N 91L142; Textron Lycoming model LW15473, having AAI S/Ns 91K049 through 92I151; Rajay/Rotomaster-modified model R00253-501, having AAI S/Ns 92D136 through 92J016; Rajay/Rotomaster modified model R00253-502, having AAI S/Ns 92D120 through 92H075; and Rajay/Rotomaster-modified model 103586-01, having AAI S/N 92J024; installed on but not limited to Textron Lycoming IO-320, LIO-320, IO-360, LIO-360, O-540-L3C5D, IO-540, TIO-540, and LTIO-540 piston engines; installed on but not limited to piston engine powered aircraft manufactured by Beechcraft, Bellanca, Cessna, Mooney, Piper, and Rockwell Commander (Models 112 and 114) aircraft; and

AC, Textron Lycoming, and Rajay/Rotomaster-modified low pressure diaphragm fuel pumps, overhauled by AAI between November 1, 1991, and August 20, 1992; AC model numbers 40174, 40295, 40595, 41270, 41271, 41272, 41452, 41617, 75246, 75247; Textron Lycoming model numbers LW14282, LW15399, LW15472, LW16335, LW16775, LW16947; and Rajay/Rotomaster-modified models 103396-01, RJ4033, and R00253-2; having AAI S/Ns 91K073 through 91K125, all S/Ns beginning with prefixes 91L, 92A, 92B, 92C, 92D, 92E, 92F, 92G, and 92H001 through 92H146; installed on but not limited to Textron Lycoming model O-235, O-290, O-320, O-360, LO-360, LTO-360, and O-540 piston engines; installed on but not limited to piston engine powered aircraft manufactured by Beechcraft, Bellanca, Cessna, Mooney, and Piper.

Compliance: Required prior to further flight, unless accomplished previously.

To prevent disruption of fuel flow to the engine, which can result in a loss of engine power, accomplish the following:

- (a) Remove from service affected low pressure diaphragm fuel pumps and replace with a serviceable pump.
- (b) For the purposes of paragraph (a) of this AD, a serviceable low pressure diaphragm fuel pump is either an AC, Textron Lycoming, or Rajay/Rotomaster-modified pump that has never been overhauled by AAI, or has an "S" stamped on the flange above the inlet port of the fuel pump to indicate previous compliance with priority letter AD 92-20-07.
- (c) No further action is required for all affected low pressure diaphragm fuel pumps that have complied previously with priority letter AD 92-20-07.

NOTES:

1. The model number is located on the edge of the mounting flange.
2. The S/N is located on the "housing backbone" between the mounting flange and the round spring housing.
3. For further information, see Aero Accessories, Inc. Mandatory Service Bulletin No. 001, dated August 21, 1992. Copies of this service bulletin may be obtained from Aero Accessories, Inc., 1240 Springwood Church Road, Gibsonville, NC 27249, telephone (919) 449-5054.

(d) Remove from service affected high pressure diaphragm fuel pumps and replace with a serviceable pump.

(e) For the purposes of paragraph (d) of this AD, a serviceable high pressure diaphragm fuel pump is either an AC, Textron Lycoming, or Rajay/Rotomaster-modified pump that has never been overhauled by AAI, or has an "S2" stamped on the flange above the inlet port of the fuel pump to indicate previous compliance with priority letter AD 93-05-21.

(f) All affected high pressure diaphragm fuel pumps must be replaced, regardless of compliance with priority letter AD 92-20-07.

NOTES:

1. The model number is located on the edge of the mounting flange.
2. The serial number is located on the "housing backbone" between the mounting flange and the round spring housing.
3. For further information, see Aero Accessories, Inc. Mandatory Service Bulletin No. 002, dated February 25, 1993. Copies of this service bulletin may be obtained from Aero Accessories, Inc., 1240 Springwood Church Road, Gibsonville, NC 27249, telephone (919) 449-5054.

(g) An alternative method of compliance or adjustment of the compliance time that provides an acceptable level of safety may be used if approved by the Manager, Atlanta Aircraft Certification Office. The request should be forwarded through an appropriate FAA Maintenance Inspector, who may add comments and then send it to the Manager, Atlanta Aircraft Certification Office.

NOTE: Information concerning the existence of approved alternative methods of compliance with this airworthiness directive, if any, may be obtained from the Atlanta Aircraft Certification Office.

(h) This amendment supersedes priority letter AD 93-05-21, issued March 17, 1993.

(i) This amendment becomes effective on June 21, 1993.