

2011-25-51 Continental Motors, Inc. (formerly Teledyne Continental Motors, Continental): Directorate Identifier 2011-NE-41-AD.

(a) Effective Date

This Emergency AD is effective upon receipt.

(b) Affected ADs

None.

(c) Applicability

This emergency AD applies to Continental Motors, Inc. (CMI) TSIO-520-B, BB, D, DB, E, EB, J, JB, K, KB, N, NB, UB, VB; TSIO-550-K; TSIOF-550-K; IO-550-N (Turbo-normalized only; STC SE10589SC); with a starter adapter part number (P/N) 642085A17, 642085A19, 642085A20, 642085-1A1, and R-642085A17, installed, where the engine was manufactured between January 1, 2011 and November 20, 2011, or, where a replacement new or rebuilt starter adapter was purchased and installed between January 1, 2011 and November 20, 2011.

(d) Unsafe Condition

This AD was prompted by 5 reports received of fractures in starter adapter shaft gears in certain part number (P/N) CMI starter adapters. We are issuing this AD to prevent failure of the starter adapter gear shaft, leading to an inoperable oil scavenge pump and engine in-flight shutdown.

(e) Compliance

Comply with this AD within the compliance times specified, unless already done.

(1) For starter adapters with less than 75 hours of total time-in-service (TIS) at time of receipt of this AD, before further flight, replace the starter adapter with a starter adapter eligible for installation.

(2) For starter adapters with between 75 and 100 hours of total TIS, inclusive at time of receipt of this AD, within the next 10 hours of engine operation, or before exceeding 100 hours TIS, whichever occurs first, replace the starter adapter with a starter adapter eligible for installation.

(3) For starter adapters with more than 100 hours of total TIS at time of receipt of this AD, no further action is required.

(f) Definition

For the purpose of this AD, a starter adapter eligible for installation is:

(1) A starter adapter with one of the P/Ns listed in this AD that has a vibro-peened manufacturer code below the ink stamped P/N on the starter adapter, or

(2) A starter adapter with one of the P/Ns listed in this AD that has more than 100 hours total TIS.

(g) Alternative Methods of Compliance (AMOCs)

The Manager, Atlanta Certification Office, may approve AMOCs for this AD. Use the procedures found in 14 CFR 39.19 to make your request.

(h) Related Information

(1) For further information about this AD, contact: Anthony Holton, Aerospace Engineer, Atlanta Certification Office, FAA, Small Airplane Directorate, 1701 Columbia Avenue, Atlanta, GA 30337; phone: 404-474-5567; fax: 404-474-5567; e-mail: anthony.holton@faa.gov.

(2) CMI Mandatory Service Bulletin No. MSB11-4, dated November 23, 2011, pertains to this AD.

(3) For copies of the service information referenced in this AD, contact: Continental Motors, Inc., PO Box 90, Mobile, AL 36601; phone: 251-438-3411, or go to: <http://tcmlink.com/servicebulletins.cfm>. You may review copies of the referenced service information at the FAA, Engine & Propeller Directorate, 12 New England Executive Park, Burlington, MA.