

LUFTVÄRDIGHETSDIREKTIV (LVD)

Sektion 2. Utlandstillverkad flygmateriel

Denna LVD har utfärdats för att omfatta alla de nationella luftfartyg som inte regleras av EASA utan av det svenska regelverket BCL-M.

TITEL:	Inspektion av GARMIN GSM 85 Servoväxellådor (Servo gearbox units) som kan innehålla främmande föremål FOD (Foreign Object Debris).
GÄLLER:	GARMIN GSM 85 Servoväxellådor i enlighet med FAA Airworthiness Directive (AD) 2008-02-06.
REVISION:	-
ÅTGÄRD:	Utför åtgärder i enlighet med bifogad FAA AD 2008-02-06. Refererad AD finns även tillgänglig på följande internetadress: www.airweb.faa.gov
TID FÖR ÅTGÄRD:	Utför åtgärder enligt FAA AD 2008-02-06, men med denna LVD:s beslutsdatum som utgångspunkt.
UNDERLAG:	GARMIN International, Inc. Service bulletin (SB) Nr. 0713, Revision A daterad 7 maj 2007; Service bulletin (SB) Nr. 0713, Revision B daterad 18 maj 2007; Service bulletin (SB) Nr. 0713, Revision C daterad 29 maj 2007; Service bulletin (SB) Nr. 0713, Revision D daterad 13 Juni 2007; eller Cessna Aircraft Company Singel Engine Service Bulletin SB07-22-01, daterad 4 Juni 2007. För alternativa underlag/förfaringssätt att uppfylla denna LVD, se "Alternative Methods of Compliance" i refererad FAA AD 2008-02-06.
REFERENS:	FAA AD 2008-02-06
BESLUTSDATUM:	05 oktober 2009
BESLUT:	TSL 2009-6626



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AIRWORTHINESS DIRECTIVE

www.faa.gov/aircraft/safety/alerts/
www.gpoaccess.gov/ft/advanced.html

CORRECTED: (e)(2) and (e)(3) were inadvertently omitted from the original PDF copy of this AD.

2008-02-06 GARMIN International: Amendment 39-15336; Docket No. FAA-2007-28730; Directorate Identifier 2007-CE-063-AD.

Effective Date

(a) This AD becomes effective on February 26, 2008.

Affected ADs

(b) None.

Applicability

(c) This AD applies to the GSM 85 servo gearbox units that are specified in paragraph (c)(1) of this AD and are installed on airplanes. These GSM 85 servo gearbox units are installed in, but not limited to, airplanes that are certificated in any category and presented in paragraph (c)(2) of this AD:

(1) GSM 85 servo gearbox units, part numbers (P/Ns): 011-00894-00, 011-00894-02, 011-00894-04, 011-00894-06, 011-00894-07, 011-00894-08, 011-00894-09, 011-00894-10, 011-00894-11, and 011-00894-14.

(2) Airplanes with the GSM 85 servo gearbox units installed (other aircraft could have installations through other methods such as field approval):

Type Certificate Holder	Models
(i) Cessna Aircraft Company	182T, T182T, 206H, and T206H
(ii) Hawker Beechcraft Corporation	G36 and G58
(iii) Diamond Aircraft Industries GmbH	DA40 and DA40F
(iv) Columbia Aircraft Manufacturing	350 and 400
(v) Mooney Airplane Company, Inc.	M20M and M20R

Unsafe Condition

(d) This AD results from reports of certain GARMIN GSM 85 servo gearbox units that have foreign object debris inside the assembly. We are issuing this AD to detect and correct defective GARMIN GSM 85 servo gearbox units, which could result in jamming of the servo gearbox. This jamming could lead to the pilot having to apply sufficient control force to override the servo gearbox slip clutch in order to control the airplane. In certain situations, this could compromise the safety of the airplane if the pilot was not able to focus on critical duties due to having to tend to the servo gearbox.

Compliance

(e) To address this problem, you must do the following, unless already done:

Actions	Compliance	Procedures
<p>(1) Check the serial tag of the installed GSM 85 servo gearbox unit to determine the mod level. The mod level marked on the serial tag indicates if the GSM 85 servo gearbox unit is already in compliance with this AD.</p> <p>(i) If the serial tag on the installed GSM 85 servo gearbox unit for P/Ns 011-00894-00 or 011-00894-10 is marked at mod level 3, no further action is required.</p> <p>(ii) If the serial tag on the installed GSM 85 servo gearbox unit for P/Ns 011-00894-02, 011-00894-04, 011-00894-06, 011-00894-07, 011-00894-08, 011-00894-09, 011-00894-11, or 011-00894-14 is marked at mod level 1, no further action is required.</p> <p>(iii) If the serial tag on the above GSM servo gearbox unit is not at mod level 1 or 3 as specified in paragraphs (e)(1)(i) and (e)(1)(ii) of this AD, then go to paragraph (e)(2) of this AD.</p>	<p>Check within the next 100 hours time-in-service (TIS) after February 26, 2008 (the effective date of this AD) or within the next 3 months after February 26, 2008 (the effective date of this AD), whichever occurs first.</p>	<p>Check following GARMIN International, Inc. Service Bulletin No. 0713, Revision A, dated May 7, 2007; Service Bulletin No. 0713, Revision B, dated May 18, 2007; Service Bulletin No. 0713, Revision C, dated May 29, 2007; Service Bulletin No. 0713, Revision D, dated June 13, 2007; or Cessna Aircraft Company Single Engine Service Bulletin SB07-22-01, dated June 4, 2007, as applicable. If the Mod Level of the P/Ns specified in paragraph (e)(1)(i) and (e)(1)(ii) are at mod level 1 and mod level 3, as applicable, make an entry into the aircraft logbook showing compliance with this portion of the AD in accordance with section 43.9 of the Federal Aviation Regulations (14 CFR 43.9). The owner/operator holding at least a private pilot certificate as authorized by section 43.7 of the Federal Aviation Regulations (14 CFR 43.7) may do this action.</p>
<p>(2) If the serial tag on the GSM 85 servo gearbox for P/Ns specified in paragraph (e)(1) of this AD is not marked at mod level 1 or mod level 3 as specified in paragraphs (e)(1)(i) and (e)(1)(ii) of this AD, inspect the servo gearbox for foreign object debris.</p>	<p>Within the next 100 hours TIS after February 26, 2008 (the effective date of this AD) or within the next 3 calendar months after February 26, 2008 (the effective date of this AD), whichever occurs first.</p>	<p>Follow the Modification Instructions in GARMIN International, Inc. Service Bulletin No. 0713, Revision A, dated May 7, 2007; Service Bulletin No. 0713, Revision B, dated May 18, 2007; Service Bulletin No. 0713, Revision C, dated May 29, 2007; Service Bulletin No. 0713, Revision D, dated June 13, 2007; or Cessna Aircraft Company Single Engine Service Bulletin SB07-22-01, dated June 4, 2007, as applicable.</p>

(3) If foreign object debris is found during the inspection required in paragraph (e)(2) of this AD, remove and return the GSM 85 servo gearbox to the manufacturer for replacement.	Before further flight after the inspection required in paragraph (e)(2) of this AD.	Follow the Modification Instructions in GARMIN International, Inc. Service Bulletin No. 0713, Revision A, dated May 7, 2007; Service Bulletin No. 0713, Revision B, dated May 18, 2007; Service Bulletin No. 0713, Revision C, dated May 29, 2007; Service Bulletin No. 0713, Revision D, dated June 13, 2007; or Cessna Aircraft Company Single Engine Service Bulletin SB07-22-01, dated June 4, 2007, as applicable.
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Alternative Methods of Compliance (AMOCs)

(f) The Manager, Wichita Aircraft Certification Office (ACO), 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: Roger A. Souter, Aerospace Engineer, FAA, Wichita ACO, 1801 Airport Road, Room 100, Wichita, Kansas 67209; telephone: (316) 946-4134; fax: (316) 946-4107; e-mail address: roger.souter@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.

Material Incorporated by Reference

(g) You must use GARMIN International, Inc. Service Bulletin No. 0713, Revision A, dated May 7, 2007; GARMIN International, Inc. Service Bulletin No. 0713, Revision B, dated May 18, 2007; GARMIN International, Inc. Service Bulletin No. 0713, Revision C, dated May 29, 2007; GARMIN International, Inc. Service Bulletin No. 0713, Revision D, dated June 13, 2007; and Cessna Aircraft Company Single Engine Service Bulletin SB07-22-01, dated June 4, 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 GARMIN International, Inc., 1200 East 151st Street, Olathe, KS 66062; telephone: (913) 397-8200; fax: (913) 397-8282.

(3) You may review copies at the FAA, Central Region, Office of the Regional Counsel, 901 Locust, Kansas City, Missouri 64106; or 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.

Issued in Kansas City, Missouri, on January 11, 2008.
John Colomy,
Acting Manager, Small Airplane Directorate, Aircraft Certification Service.
[FR Doc. E8-828 Filed 1-18-08; 8:45 am]