


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>
	<b>AD N°: 2004-0006 R1</b>  <b>Issued/Date:</b> 03 May 2005

No person may operate a product to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.

<b>Type Approval Holder's Name</b>	<b>Type/Model designation(s)</b>
<b>Teledyne Continental Motors</b>	<b>Teledyne Continental Motors GTSIO-520 piston engines</b>
<b>TCDS Number: E7CE</b>	
<b>Foreign AD: None</b>	
<b>Supersedure: This AD supersedes EASA AD N°2004-000 6 dated 15 Dec. 2004</b>	

<b>ATA 72 - Accessory gear train – Inspection and eventually installation of Service Kit</b>
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<b>Manufacturer:</b>	Teledyne Continental Motors
<b>Applicability:</b>	Teledyne Continental GTSIO-520 piston engines known to be installed in, but not limited to, Part-23 aircraft .
<b>Reason:</b>	Accessory gear train failure
<b>Effective Date:</b>	31 May 2005
<b>Compliance:</b>	1. Unscheduled maintenance inspection due to rough engine operation (see Part 1 of TCM MSB 94-4E or later rev.). 2. At every 100 hour or annual inspection (which ever occurs first) perform the inspections detailed in Part 2 of TCM MSB 94-4E, "STARTER ADAPTER VISCOUS DAMPER and SHAFTGEAR BACKLASH INSPECTION". 3. Starter adapters with less than 200 hours total time in service must be inspected in accordance with the "VISUAL INSPECTION PROCEDURE" set forth in Part 3 of TCM MSB 94-4E upon the accumulation of 200 hours total time in service and every 200 hours time in service thereafter. 4. Starter adapters with more than 200 hours total time in service must be inspected in accordance with the "VISUAL INSPECTION PROCEDURES" set forth in Part 3 of TCM MSB 94-4E within the next 25 hours of operation and every 200 hours thereafter. 5. If needle bearing P/N 537721 is installed in the

	<p>crankcase, it must be removed and replaced with bushing P/N 654472. Refer to Part 3 and Part 4 of TCM MSB 94-4E.</p> <p>6. If service kit P/N EQ 6642R has not been installed prior to engine overhaul it must be installed at the next engine overhaul or at the time of starter adapter replacement, whichever occurs first. Refer to the latest revision of TCM SB97-6</p> <p>Installation of Service Kit EQ6642R must be carried out by a person or company carrying an appropriate approval.</p> <p>The occurrence of unacceptable tooth wear of the starter adapter shaft gear or of the crankshaft gear has to be reported to the EASA Propulsion Unit within 20 days after the inspection .</p>
<b>Ref. Publications:</b>	<p>TCM Mandatory Service Bulletin 94-4E</p> <p>TCM Service Bulletin 97-6</p>
<b>Remarks</b>	<p>Enquiries regarding this Airworthiness Directive should be referred to: Mr Klaus Böwing, EASA Certification Manager Propulsion; <a href="mailto:klaus.boewing@easa.eu.int">klaus.boewing@easa.eu.int</a></p> <p>EASA Postfach 101253 D-50452 Köln Germany</p>