



**Teledyne Continental Motors, Inc.**  
A Teledyne Technologies Company

## **TOP CARE<sup>SM</sup> CYLINDER WARRANTY**

This TopCare Cylinder Warranty provides special warranty coverage for cylinders and related parts shipped from Teledyne Continental Motors' plant on or after August 1, 1999 provided certain eligibility requirements are met. In the event that the eligibility requirements for this TopCare Cylinder Warranty are not met, the terms and conditions of the Teledyne Continental Motors (TCM) Aircraft Engine Part, Component & Accessory Warranty will apply.

- 1. Engines Eligible for TopCare Cylinder Warranty Coverage:** Any TCM aircraft engine meeting the eligibility requirements of Paragraph 2 of this warranty is eligible for coverage.
- 2. Eligibility Requirements:** This Top Care Cylinder Warranty applies only to cylinders and related parts shipped from TCM's plant on or after August 1, 1999. For purposes of this warranty, the cylinder and related parts are defined as the cylinder, cylinder intake and exhaust valves, valve inserts, valve guides, valve springs and their retaining parts, pistons, piston rings and related O-rings and gaskets. To be eligible for TopCare Cylinder Warranty coverage these parts must be installed together and used in combination with each other.

### **Required TopCare Health Check Inspections**

To be eligible for coverage under this TopCare Cylinder Warranty and to maintain that coverage the aircraft must be inspected at a Fixed Base Operator (FBO) facility in accordance with the TopCare Health Check Inspection set forth in the latest revision of TCM Service Information Directive 97-2 (SID 97-2) as follows:

- (A) For new aircraft:** Each new aircraft powered by a TCM engine shipped from TCM's plant on or after August 1, 1999 is covered by this TopCare Cylinder Warranty. To maintain coverage the aircraft must be inspected at least once per year in accordance with the TopCare Health Check inspection set forth in the latest revision of SID 97-2 and any discrepancies corrected at that time.
- (B) For aircraft in service:** For an aircraft in service in which a new or rebuilt aftermarket TCM engine shipped from TCM's plant on or after August 1, 1999 or for an aircraft having an engine in which a new cylinder supplied by TCM on or after August 1, 1999 is installed, the TopCare Health Check Inspection must be performed at time of installation and at least once per year thereafter in accordance with the TopCare Health Check Inspection set forth in the latest revision of SID97-2 and any discrepancies corrected at that time.

### **Enrollment and Documentation Requirements**

Each new aircraft powered by an engine that incorporates cylinders and related parts shipped from TCM's plant on or after August 1, 1999 is covered and no enrollment is required. For other than new aircraft, enrollment under the TopCare Cylinder Warranty must be accomplished by performing the initial TopCare Health Check Inspection at time of engine (or cylinder) installation and correcting any discrepancies at that time. The TopCare Health Checklist Form attached to the latest revision of SID97-2 must be completed, signed by the inspecting mechanic and a copy returned along with the TopCare Cylinder Warranty Enrollment Form attached to the latest revision of SID97-2 to:

Teledyne Continental Motors  
Attn: Warranty Services  
P.O. Box 90  
Mobile, Alabama 36601-0090

To maintain coverage under the TopCare Cylinder Warranty, the TopCare Health Check Inspection must be performed at least once per year and any discrepancies corrected at that time. The TopCare Health Checklist Form must be completed for each inspection, signed by the inspecting mechanic and retained by the owner for submittal to TCM with any claim under the TopCare Cylinder Warranty. Each required TopCare Health Check Inspection must have been properly performed and documented on the TopCare Health Checklist Form. The TopCare Health Checklist Form for each inspection must be submitted to TCM with any claim under this TopCare Cylinder Warranty. Copies of work orders documenting the performance

of the required TopCare Health Inspection and correction of any discrepancies must also be submitted to TCM upon request.

### **3. TopCare Cylinder Warranty Coverage:**

- (A)** For a period of twelve (12) months or one thousand (1000) hours of operation, whichever occurs first, after the warranty activation date, TCM will at its option repair or replace on an exchange basis any cylinder component or related part manufactured or supplied by it which within the applicable twelve (12) month or one thousand (1000) hour period is returned to a representative of TCM authorized to handle the engine in which the cylinder component or related part covered by this warranty is installed and which upon examination by TCM is found to be defective in material or workmanship. For cylinders installed in new or rebuilt engines, the warranty activation date is the date the engine is first operated for any use or the 180<sup>th</sup> day after TCM's invoice date, whichever occurs first. For cylinder components purchased as aftermarket replacement components, the warranty activation date is the date the cylinder is first operated for any use. TCM will pay for reasonable labor costs associated with repairs or replacements under paragraph 3(A) of this warranty and for "troubleshooting" costs associated with identifying the need for such repairs or replacements when coordinated through an authorized TCM representative. The amount of repair or replacement labor costs allowed will be in accordance with the latest revision of the warranty labor allowance schedule, Form X30552, published by TCM. The amount of "troubleshooting" costs allowed will be the reasonable costs under the circumstance of identifying the need for such repairs or replacements, but in no event will the "troubleshooting" costs allowed exceed fifteen percent (15%) of the labor costs associated with such repairs or replacements allowed by TCM. No "troubleshooting" cost allowance will be made where the need for repairs or replacements is identified in the course of overhaul, routine maintenance or on the basis of an obvious defect.
- (B)** After the expiration of the twelve (12) month period described in paragraph 3(A) and before the expiration of an additional twenty-four (24) month period or expiration of one thousand (1000) hours of operation, whichever occurs first, TCM will at its option repair or replace on an exchange basis any cylinder component or related part manufactured and supplied by it which is found to the satisfaction of TCM to be defective in material or workmanship.
- (C)** In the event that TCM elects to repair in the field, rather than replace any cylinder component or related part under paragraph 3(B) of this warranty, TCM will pay labor costs for the repair of the cylinder component or related part only. The amount of repair labor costs allowed will be in accordance with the latest revision of the warranty labor allowance schedule, Form X30522, published by TCM. TCM will not assume any responsibility for labor costs for the removal and/or re-installation of the cylinder component or related part, costs for "troubleshooting" or any other labor costs associated with repairs or replacements under paragraph 3(B) of this warranty.
- (D)** TCM reserves the right at its option to replace any defective cylinder component or related part with either a new or rebuilt cylinder component or related part.
- (E)** Repair or replacement of any cylinder component or related part under this warranty will not extend the period of warranty coverage set forth above.
- (F)** TCM will not assume any responsibility for transportation costs in connection with the repair or replacement of any cylinder component or related part under this warranty, except when such transportation has been expressly authorized by TCM. When authorized, transportation cost reimbursement for cylinder components will be the actual surface freight cost or the currently published UPS surface rate schedule, whichever is less.
- (G)** This warranty applies only to cylinders in which parts manufactured or supplied by TCM or parts manufactured pursuant to an FAA Parts Manufacturer Approval have been used and nothing contained herein should be construed as a warranty by TCM of any cylinder or related part not manufactured or supplied by TCM. TCM accepts no responsibility for the failure of any cylinder or related part which it does not manufacture or supply or damage resulting from such failure.
- (H)** This warranty also applies only to cylinders and related parts on which the installation, inspection, maintenance and operating instructions and recommendations contained in the appropriate operator's manual, overhaul manual and applicable service bulletins have been complied with. Performance of recommended inspections and maintenance must be documented by appropriate logbook entries and a copy of the logbook must accompany any cylinder and related part being returned for warranty consideration.

- (I) This warranty does not apply to any cylinder or related part manufactured or supplied by TCM which has been subject to misuse, neglect or accident or which has been installed, repaired, maintained or altered in any way that in the judgment of TCM has adversely affected the condition of the engine or which has been operated beyond factory recommendations (such as, but not limited to RPM, temperature, manifold pressure, fuel flow and proper system adjustment).
- (J) TCM will not be responsible for repair or replacement of cylinder components or parts damaged or worn as a result of corrosion, pre-ignition/detonation, operation with non-calibrated engine gauges, improper fuel system adjustment, non-TCM approved fuel and oil grades or additives and installation of parts, components or accessories that alter the engines' original type design.
- (K) The provisions of this warranty do not apply to normal maintenance service or to the replacement of normal service items. This warranty does not cover any costs related to the performance of the TopCare Health Check Inspection.
- (L) TCM reserves the right to change any part specifications or prices without incurring any responsibility with regard to engines or parts previously sold or replaced.
- (M) THIS WARRANTY IS A WARRANTY TO REPAIR OR REPLACE AND NOT A WARRANTY OF THE CONDITION OR FUTURE PERFORMANCE OF THE PRODUCTS WHICH IT COVERS. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, SPECIFICALLY, BUT WITHOUT LIMITATION, THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL TCM BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY DEFECT IN ANY CYLINDER OR RELATED PART, ARISING OUT OF THE FAILURE OF ANY CYLINDER OR RELATED PART TO OPERATE PROPERLY, OR ARISING OUT OF ANY BREACH OF THE WARRANTY MADE HEREIN. No person is authorized to give any other warranty or to assume any additional obligation or liability on behalf of TCM.



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