

SERVICE LETTER

SERVICE LETTER NO. 89-001
ENGINEERING ASPECTS ARE FAA-DER APPROVED

DATE: December 18, 1989

SUBJECT: Recommended time between overhaul periods for engines

containing RAM Aircraft Corporation FAA-PMA parts

ENGINE EFFECTIVITY: Teledyne Continental Motors TSIO-520-NB

engines (modified per RAM STC SE4327SW) and TSIO-520-N or -NB engines (modified per RAM

STC SE3714SW)

Service life periods have been established by airframe and component manufacturers, to give aircraft owners, operators, and mechanics a guideline as to how long their products may be operated between replacement or overhaul periods. This period is known as Time Between Overhaul (TBO) when referring to engine service life. In some cases, such as aircraft operating under FAR Part 135 or foreign air regulations, these recommended periods have become the maximum allowable period between overhauls.

This overhaul period is a recommendation only and is dependent on compliance with all applicable Service Bulletins and Airworthiness Directives, as well as all required preventative maintenance, periodic inspection and determination by qualified maintenance personnel that the engine is operating normally and is airworthy.

To clear up any misunderstanding concerning the TBO of the TCM TSIO-520-N or -NB engine modified per STC SE3714SW or the TCM TSIO-520-NB engine modified per STC SE4327SW:

These engines, when modified by STC SE3714SW and STC SE4327SW, which include the installation of various RAM FAA-PMA parts listed in the Parts Manual Supplements applicable to these STC's, may be run to the TBO as specified below:

TSIO-520-NB modified per SE4327SW - 1600 hours TSIO-520-NB modified per SE3714SW - 1600 hours TSIO-520-N modified per SE3714SW - 1400 hours

DATE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION 12/18/89 STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION NAME OF APPLICANT MAKE Teledyne MODEL NO. TYPE (Airpiane, Radio, Helicopter, etc.) RAM Aircraft Corporation Continental Motors *See below Engine P.O. Box 5219 Waco, TX 76708 LIST OF DATA TITLE IDENTIFICATION Engineering aspects of this letter are DER approved herein. The RAM Service Letter No. 89-001, dated Service Letter states that the time between overhauls (TBO) of 12/18/89 the RAM FAA-PMA parts contained in these engines is the same as the OEM parts they replace. *Effectivity: TSIO-520-N or NB Modified per SE3714SW TSIO-520-NB Modified per SE4327SW PURPOSE OF DATA Show compliance with CAR's and FAR's APPLICABLE REQUIREMENTS (List specific sections) 33.15 Materials 33.19 Durability CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered . have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations. Recommend approval of these data I (We) Therefore X Approve these data SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVESS CLASSIFICATION(S) DESIGNATION NUMBERS(S) DER SW-394 1000 Powerplant (CAR 3, FAR 23); Engines Jack M. Riley, Jr. (CAR 13, FAR 33)