

**SERVICE  
INSTRUCTION**

DATE: January 26, 2001 Service Instruction No. 1504  
Engineering Aspects are  
FAA Approved

SUBJECT: Cylinder Assembly Replacement on O-235 Engines Operated Under DGAC  
Authority

MODELS AFFECTED: O-235 aircraft engines operated under the authority of the French Direction  
Generale De L'Aviation Civile (DGAC).

TIME OF COMPLIANCE: At owner's discretion

The French DGAC has reported a significant number of O-235 cylinder barrel failures in France. These failures have initiated from corrosion pits at the base area of the cylinder.

For O-235 engines operated under its authority, the French DGAC has issued A.D. 1998-225(A) which requires periodic inspection of the cylinder barrels for cracks.

Since it is not possible to determine the depth of pitting or the point at which corrosion will initiate a crack, Textron Lycoming recommends replacement of cylinders affected by A.D. 1998-225(a) with new cylinder assemblies that offer improved corrosion resistance. O-235 engines and cylinder kits shipped from the factory after September 1, 2000, incorporate these new cylinder assemblies. The new cylinder assemblies and engine applications are identified as follows:

<u>Engine</u>	<u>Kit</u>	<u>Cylinder</u>
O-235-K2A,-K2B,-K2C,-L2A,-L2C, -M1,-M2	05K23037	16A23033
O-235-F1B,-F2A,-F2B,-G1A,-G2A, -J2A	05K23040	16A23033
O-235-C1,-C1B,-C1C,-C2A,-C2B,-C2C, -E2A,-H2C	05K23039	16A23034
O-235-N2A,-N2C,-P1,-P2A,-P2C,-P3C	05K23038	16A23035

**WARRANTY:**

For aircraft operated under DGAC rule, new replacement cylinders with improved corrosion resistance are available from Textron Lycoming Distributors at a prorated price. Contact your Textron Lycoming Distributor for warranty procedures.

This prorated price offer will remain in effect for one year from the date of this Service Instruction.