

October 4, 2000

Supplement No. 1

To

Service Bulletin No. 543A

This Supplement No. 1 to Service Bulletin No. 543A provides an alternate means of compliance with Service Bulletin No. 543A.

**SERVICE BULLETIN NO. 543A AFFECTS THE TEXTRON LYCOMING ENGINES LISTED UNDER MODELS AFFECTED ONLY IF:**

- 1. THEY WERE SHIPPED FROM THE FACTORY BETWEEN APRIL 1, 1999, AND OCTOBER 4, 2000.**
- 2. THEY HAVE HAD THE OIL FILTER CONVERTER PLATE GASKET FIELD REPLACED AFTER APRIL 1, 1999, WITH P/N LW-13388.**
- 3. THEY HAVE HAD THE OIL FILTER CONVERTER PLATE FIELD REPLACED AFTER APRIL 1, 1999, WITH P/N LW-13904.**

**ALTERNATE COMPLIANCE INSTRUCTIONS:**

**Compliance with PART I, PART II OR PART III, below relieves the requirements of Service Bulletin No. 543A and eliminates the need for gasket replacement every 50 hours.**

**PART I**

Engines shipped from the factory after October 4, 2000, do not require oil filter converter plate gasket replacement at every 50 hours.

**PART II**

1. Replace the P/N LW-13388 gasket with a new gasket P/N 06B23072 in accordance with Textron Lycoming Service Instruction No. 1453. For identification, new gaskets P/N 06B23072 have been stamped with their part number.
2. After bonding the P/N 06B23072 gasket in place, vibropeen the number 543 anywhere along the outer surface of the plate flange as shown in Figure A.
3. Reinstall the plate and oil filter in accordance with Service Instruction No. 1453. This relieves the requirement of the replacement of the converter plate gasket at every 50 hours.

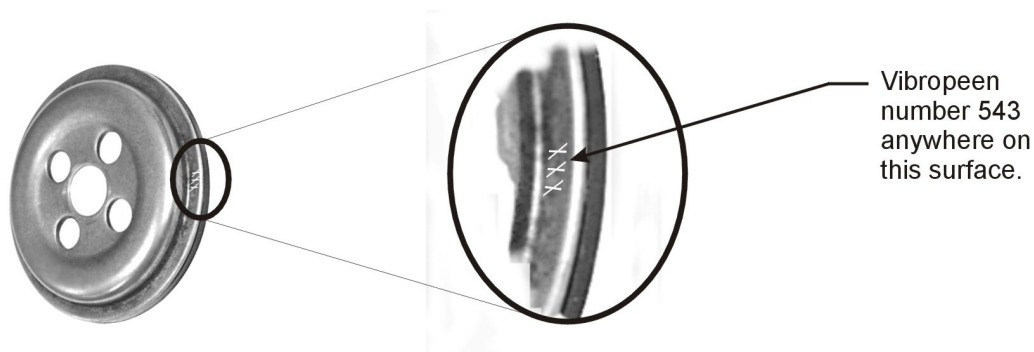


Figure A

**NOTE**

**After converter plate is marked with 543, P/N LW-13388 gasket may never be used again.**

4. Make appropriate logbook entry of compliance with Service Bulletin No. 543A, Supplement No. 1.

**PART III**

Installation of Textron Lycoming converter plate kit P/N 54E23073 eliminates the 50 hour replacement requirement. Installation of Textron Lycoming oil filter kit P/N 05K23074 (O-320-H series only) eliminates the 50 hour replacement requirement.

**NOTE**

**After kit P/N 54E23073 or kit P/N 05K23074 is installed, P/N LW-13388 gasket may never be used again. The converter plate included in each of these kits is identified with the part number 54E23073 permanently marked on the plate in the same location as shown in Figure A.**

**WARRANTY:**

Comply with normal Textron Lycoming warranty procedures through a Textron Lycoming distributor. Warranty for the oil filter converter plate gasket and for up to two hours for installation labor for compliance with Service Bulletin No. 543A and Supplement No. 1 to Service Bulletin No. 543A is available only through December 1, 2000.



U.S. Department  
of Transportation  
Federal Aviation  
Administration

New York Aircraft Certification Office

10 Fifth Street, 3rd Floor  
Valley Stream, NY 11581

Page 3 of 3

OCT 4 2000

Mr. Rick Moffett  
Vice President of Engineering  
Textron Lycoming  
652 Oliver Street  
Williamsport, PA 17701

Dear Mr. Moffett:

Alternative Method of Compliance Approval to AD 2000-18-53

The FAA New York Aircraft Certification Office (NYACO) has reviewed Textron Lycoming's request for an Alternative Method of Compliance (AMOC) for Airworthiness Directive (AD) 2000-18-53.

Supplement 1, dated October 4, 2000 to Textron Lycoming Service Bulletin (S.B.) 543A dated August 30, 2000 is approved by the NYACO by letter dated October 4, 2000 as an Alternative Method of Compliance with Airworthiness Directive (AD) 2000-18-53 paragraphs (a), (b) and (c).

Sincerely,

A handwritten signature in dark ink, appearing to read "Vito A. Pulera".

Vito A. Pulera  
Manager, New York Aircraft Certification  
Office