

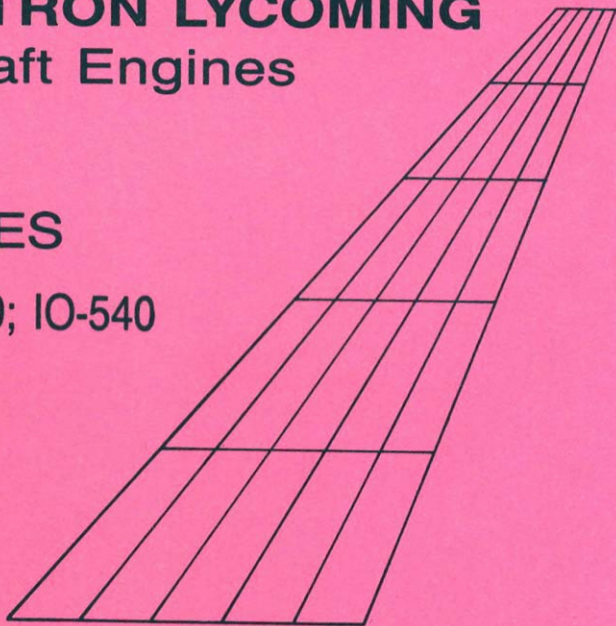
# OPERATOR'S MANUAL

**TEXTRON LYCOMING**  
Aircraft Engines

**SERIES**

**O-540; IO-540**

60297-10



***LYCOMING***

A Textron Company

652 Oliver Street  
Williamsport, PA 17701 U.S.A.  
570/323-6181

# OPERATOR'S MANUAL

## **Lycoming**

### O-540 & IO-540 SERIES AIRCRAFT ENGINES

<sup>th</sup> EDITION

October, 1999

Approved by F.A.A.

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# LYCOMING OPERATOR'S MANUAL

## ATTENTION

### OWNERS, OPERATORS, AND MAINTENANCE PERSONNEL

This operator's manual contains a description of the engine, its specifications, and detailed information on how to operate and maintain it. Such maintenance procedures that may be required in conjunction with periodic inspections are also included. This manual is intended for use by owners, pilots and maintenance personnel responsible for care of Textron Lycoming powered aircraft. Modifications and repair procedures are contained in Textron Lycoming overhaul manuals; maintenance personnel should refer to these for such procedures.

### SAFETY WARNING

*Neglecting to follow the operating instructions and to carry out periodic maintenance procedures can result in poor engine performance and power loss. Also, if power and speed limitations specified in this manual are exceeded, for any reason, damage to the engine and personal injury can happen. Consult your local FAA approved maintenance facility.*

### SERVICE BULLETINS, INSTRUCTIONS, AND LETTERS

Although the information contained in this manual is up-to-date at time of publication, users are urged to keep abreast of later information through Textron Lycoming Service Bulletins, Instructions and Service Letters which are available from all Textron Lycoming distributors or from the factory by subscription. Consult the latest edition of Service Letter No. L114 for subscription information.

### NOTE

*The illustrations, pictures and drawings shown in this publication are typical of the subject matter they portray; in no instance are they to be interpreted as examples of any specific engine, equipment or part thereof.*

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## **OPERATOR'S MANUAL REVISION**

<b>REVISION NO.</b>	<b>PUBLICATION</b>	<b>PUBLICATION NO.</b>	<b>PUBLICATION DATE</b>
60297-10-5	O,IO-540 Series Operator's Manual	60297-10	March 1991
The page(s) in this revision replace, add to, or delete current pages in the operator's manual			
<b>PREVIOUS REVISIONS</b>		<b>CURRENT REVISION</b>	
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# TEXTRON LYCOMING OPERATOR'S MANUAL

## IMPORTANT SAFETY NOTICE

Proper service and repair is essential to increase the safe, reliable operation of all aircraft engines. The service procedures recommended by Textron Lycoming are effective methods for performing service operations. Some of these service operations require the use of tools specially designed for the task. These special tools must be used when and as recommended.

It is important to note that most Textron Lycoming publications contain various Warnings and Cautions which must be carefully read in order to minimize the risk of personal injury or the use of improper service methods that may damage the engine or render it unsafe.

It is also important to understand that these Warnings and Cautions are not all inclusive. Textron Lycoming could not possibly know, evaluate or advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences that may be involved. Accordingly, anyone who uses a service procedure must first satisfy themselves thoroughly that neither their safety nor aircraft safety will be jeopardized by the service procedure they select.