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SERVICE LETTER

Service Letter No. L114BK (Supersedes Service Letter No. L114BJ) December 14, 2023

TO: Owners and Operators of Lycoming Aircraft Engines

SUBJECT: Reciprocating Engine and Accessory Maintenance Publications

REASON FOR REVISION: Updated the revision dates for engine model TEO-540-C1A in Table 1.

Updated the parts catalog listing for the YO-233-B2A in Table 2. Updated revision level for SSP-112 in Table 3. Added SSP-122 to Table 3. Removed

the page number reference in the Vendor Addresses section.

NOTICE: Incomplete review of all the information in this document can cause errors. Read the entire Service Letter to make sure you have a complete understanding of the requirements.

Lycoming Engines' technical publications have moved exclusively to electronic format distribution. The transition to digitally formatted and distributed publications will enable Lycoming to provide improved documentation products, enable more comprehensive revisions, and expedite delivery to subscribers. Paper and microfiche formats are no longer available.

Table 1 of this Service Letter L114 identifies the publications (by engine model) needed to identify parts, install, operate, service, and maintain Lycoming engine models as Instructions for Continued Airworthiness (ICAs). In addition, Lycoming Engines periodically published Service Documents supplemental to ICAs in the form of Service Bulletins, Service Instructions, and Service Letters.

The ICA related publications identified in Table 1 and supplemental Service Documents are available in electronic format (.pdf) from the sources below:

Source	Contact Info	Library Content
Lycoming	www.lycoming.com	Free-of-Charge Access:
Engines	Toll Free U.S. & Canada:	Instructions for Continued Airworthiness (except overhaul manuals)
	+1 (800) 258-3279	Service Documents (partial library)
	Direct: +1 (570) 323-6181	Reference Documents (non-ICA related)
ATP	www.atp.com	Annual, Renewable Electronic Service Document Library
Refer to	Toll Free USA & Canada:	Subscription Package Available for Purchase:
Table 5 for	+1 (800) 227-4610	Access to Manuals, Parts Catalogs, Service Bulletins and
a list of	Worldwide: +1 (415) 330-9500	Airworthiness Directives
available	FAX: (+1) 415-330-3707	Engine-Specific Search Function (accesses all relevant publications
publications		for a Lycoming engine model)
Tdata	www.tdata.com	Tdata delivers Lycoming Engine manuals on DVD. The 1-year
Refer to	Toll Free USA & Canada:	subscription includes the initial issue and three quarterly updates plus
Table 4 for	+1 (800) 783-2827	incremental updates via their website. All Lycoming Service
a list of	Direct: +1 (614) 885-1169	Bulletins, Instructions, Letters, and Special Service Publications are
available		also included on the DVD. Single and multi-user licenses are
publications		available, and the software can be installed for network use. Visit
		Tdata.com for pricing and details.



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- **NOTICE:** For a list of active and inactive Service Documents (Service Bulletins, Service Instructions, and Service Letters) supplemental to ICAs, refer to the latest revision of SSP-112.
- **NOTICE:** Overhaul Manuals are not available on the Lycoming website. These publications are available from either ATP or Tdata.
- **NOTICE:** For additional details on accessing information on the Lycoming website, refer to the latest revision of Service Letter L271.

Lycoming recommends that individuals sign up for email notification on the Technical Publications page of our website https://www.lycoming.com/contact/knowledge-base/publications. By submitting your email address, you will receive notification whenever Lycoming publishes a new or revised technical publication, including any revisions to Installation and Operation Manuals, Maintenance Manuals and Parts Catalogs.

If you have further questions, please contact the Lycoming Technical Publications Department at technubs@lycoming.com.

All current manual types in this Service Letter are defined below:

- Operator's Manual contains information about engine operation for various engine models. Some
 manuals contain engine installation instructions. All manuals are used in conjunction with the aircraft
 owner's manual. When ordering the manual, supply the complete engine model number.
- **Installation and Operation Manual** contains engine-specific system description, uncrating procedures, acceptance check, engine lift procedure, engine preservation and storage, engine installation requirements, engine installation, engine start, operation, and stop procedures, pre-flight test, operational test, and fuels to be used, as well as operating specifications.
- Maintenance Manual contains engine-specific required maintenance (service information) such as:
 oil changes, oil addition, oil filter replacement/oil pressure screen cleaning, routine time-interval
 inspections, routine service, spark plug replacement/inspection procedures, cylinder inspection, fuel
 system inspection, scheduled servicing procedures, airworthiness limitations, fault isolation guidelines
 and procedures to replace components, disassemble and assemble the engine.
- Maintenance/Overhaul Manual contains general information about engine maintenance for various engine models. Some manuals also include maintenance and overhaul information. While other manuals contain only overhaul information. When ordering the manual, supply the complete engine model number. LMO = Lycoming Maintenance and Overhaul
- Direct Drive Overhaul Manual contains information for general overhaul procedures and guidelines for legacy engines.
- Overhaul Manuals The new engine-specific Overhaul Manual contains general overhaul information, an overview of steps and references to procedures necessary for engine overhaul, as well as inspections. Overhaul checklists are included as a comprehensive guide for engine overhaul.
- **Parts Catalogs** contain illustrations to identify parts. A referenced numerical index is also included. When ordering the parts catalog, supply the complete engine model number.

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Table 1 Certified Engine Models

	Par	ts Catalog	Installation ar	nd Operation Manual	Over	haul Manual	Main	tenance Manual
Engine Model	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.
	Date	Date	Date	Date	Date	Date	Date	Date
O-235								
-C1, -C1B, -C1C, -C2A, -C2C,	PC-302	PC-302B	60297-9	60297-9-1	60294-7	60294-7-14	N/A	
-F2A, -F2B, -H2C, -J2A, -K2A,	June 1982	January 1987	January 2007	September 2008	December 1974	July 2011		
-K2B, -K2C, -M1, -N2A, -N2C		PC-302A	5 th Edition	•	Sixth Printing			
112B, 112C, 1111, 11211, 112C		February 1984						
-L2A, -L2C	PC-302-L2A, -L20							
	December 2012							
-P2A	PC-302-1							
	August 1985							
O-290								
-D, -D2, -D2B, -D2C	PC-102-1	PC-102-1B	60297-9	60297-9-1	60294-7	60294-7-14	N/A	
I	January 1988	May 1991	January 2007	September 2008	December 1974	July 2011		
	Reprint		5 th Edition		Sixth Printing			
	December 1991							
	Includes							
	Rev. A & B							
O-320								
-A1A, -A1B, -A3A, -B1B	PC-103	SSP488	60297-30		60294-7	60294-7-14	N/A	
(Standard & Wide Flange)	April 1970	August 1988	October 2006		December 1974	July 2011		
-A2A, -A2B, -A2C, -A3B,	PC-103	SSP488	3 rd Edition		Sixth Printing			
-A3C, -B1A, -B2A, -B2B,	April 1970	August 1988						
-B3A, -B3B, -B3C, -D1A,								
-D2A, -D2B, -E1A, -E2A								
(Standard Flange)								
-A2B, -A3B	PC-203-1 †							
(Wide Flange)	August 2011							
-A2C, -A2D	PC-203-2							
(Wide Flange)	September 2011							
-B2B, -B2C, -B3B, -D1A,	PC-203-9 ‡							
-D1D, -D1F, -D2A, -D2B,	December 1985							
-D2C, -D2G								
(Wide Flange)								
-B1A	PC-O-320-B1A							
(Wide Flange)	May 2016							
-D2J	PC-O-320-D2J							
(Wide Flange)	October 2016							
-D3G	PC-203-D3G ‡							
(Wide Flange)	August 2012							
-E1A, -E2A	PC-203-3							
(Wide Flange)	November 2011							

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Table 1 Certified Engine Models

	Pa	rts Catalog	Installation ar	nd Operation Manual	Over	haul Manual	Maint	tenance Manual
Engine Model	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.
	Date	Date	Date	Date	Date	Date	Date	Date
O-320 (Cont.)								
-E1F, -E2F	PC-203-4		60297-30		60294-7	60294-7-14	N/A	
(Wide Flange)	November 2011		October 2006 3 rd Edition		December 1974 Sixth Printing	July 2011		
-E2B, -E2C	PC-203-5							
(Wide Flange)	December 2011							
-E2D, -E3D	PC-203-6							
(Wide Flange)	October 2011							
-E2G	PC-203-7							
(Wide Flange)	December 2011							
-E2H, -E3H	PC-203-8							
(Wide Flange)	December 2011							
-H1AD, -H1BD, -H2AD,	PC-122-H		60297-22	60297-22-1	60294-9	60294-9-2	N/A	
-H2BD, -H3AD, -H3BD	76 Series		April 2007	September 2008	August 1996	June 1996		
(Wide Flange)	January 2013		2 nd Edition		3 rd Printing			
"76 Series"								
IO-320								
-B1A, -D1B	PC-103	SSP-2771	60297-31		60294-7	60294-7-14	N/A	
(Standard Flange)	April 1970	November 1971	January 2007		December 1974	July 2011		
			3 rd Edition		Sixth Printing			
-B1A, -B1C, -C1A, -D1A,	PC-303							
-D1B, -E1A, -E1B, -E2A, -E2B	June 1976							
(Wide Flange)								
AIO-320								
-B1B, -C1B	PC-303	SSP-1184-1	60297-31		60294-7	60294-7-14	N/A	
(Wide Flange)	June 1976	January 1985	January 2007		December 1974	July 2011		
(11 11 11 16 17)		SSP-1184	3 rd Edition		Sixth Printing			
		January 1985						
LIO-320	•	-	•				•	
-B1A, -C1A	PC-303	SSP-1184-1	60297-31		60294-7	60294-7-14	N/A	
(Wide Flange)	June 1976	January 1985	January 2007		December 1974	July 2011	1 " 1 1	
(ao i migo)		SSP-1184	3 rd Edition		Sixth Printing			
		January 1985						
AEIO-320		,		:	<u> </u>	1	I	
-E1B	PC-103	SSP-975	60297-21	60297-21-1	60294-7	60294-7-14	N/A	
(Standard Flange)	April 1970	June 1975	June 2007	November 2009	December 1974	July 2011	1,71	
(Standard Flange)		17.0	200,	2.5.5.0	Sixth Printing			

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Table 1 Certified Engine Models

	Par	rts Catalog	Installation ar	nd Operation Manual	Over	haul Manual	Main	tenance Manual
Engine Model	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.
	Date	Date	Date	Date	Date	Date	Date	Date
AEIO-320 (Cont.)								
-D1B, -D2B, -E1A, -E1B,	PC-303	SSP-1184-1	60297-21	60297-21-1	60294-7	60294-7-14	N/A	
-E2A, -E2B	June 1976	January 1985	June 2007	November 2009	December 1974	July 2011		
(Wide Flange)		SSP-1184			Sixth Printing	•		
(January 1985						
O-340								
-A1A, -A2A, -B1A	PC-105		60297-3		60294-7	60294-7-14	N/A	
, ,	February 1970		June 1975		December 1974	July 2011		
					Sixth Printing			
O-360								
-A1A, -A1AD, -A1C, -A1D	PC-106		60297-12	60297-12-5	60294-7	60294-7-14	N/A	
-A2A, -A2D, -A2E, -A3A,	April 1985		October 2005	December 2009	December 1974	July 2011		
-B2A, -C2A, -C2B, -C2C,			8 th Edition		Sixth Printing			
-C2D, -D2A, -D2B								
(Standard Flange)								
-A1A -A1AD, -A1D, -A1F6	PC-306-1	PC-306-1B						
-A1F6D, -A1G6 -A1G6D,	July 1980	November 1981						
-A1LD, -A2A, -A2D, -A2F,								
-A2G, -A3A, -A3AD, -A4A,								
-A4G, -A4J, -A4K, -A5AD								
(Wide Flange)								
-B2A, -C1A, -C1C, - C1E, -C1F,	PC-306-2	PC-306-2B						
-C2A, -C2C, -C2E, -D2A,	August 1981	June 2010						
-F1A6		PC-306-2A						
(Wide Flange)		June 1986						
-A4N	PC-306-3							
(Wide Flange)	May 2011							
-C1G	PC-306-4							
(Wide Flange)	April 2011							
-A1H6	PC-306-5							
(Wide Flange)	June 2011							
-A1P	PC-306-6							
(Wide Flange)	June 2011							
-B2C	PC-306-7							
(Wide Flange)	August 2011							
-C4F, -C4P	PC-306-8							
(Wide Flange)	October 1995							
-A4P	PC-306-9							
(Wide Flange)	November 1995							

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		ts Catalog	Installation ar	nd Operation Manual		haul Manual	Main	tenance Manual
Engine Model	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.
	Date	Date	Date	Date	Date	Date	Date	Date
O-360 (Cont.)								
-J2A	PC-306-11	PC-306-11A	60297-12	60297-12-5	60294-7	60294-7-14	N/A	
(Wide Flange)	January 1996	September 1998	October 2005 8 th Edition	December 2009	December 1974 Sixth Printing	July 2011		
-A4M (Wide Flange)	PC-306-A4M November 2012							
-E1AD, -E1A6D, -E1BD, -E2AD, -E2BD	PC-123 July 1978		60297-25 June 2007	60297-25-1 September 2008	60294-9 August 1996	60294-9-2 June 1996	N/A	
("76 series)			2 nd Edition					
HO-360			•					
-B1A, -B1B	PC-106		60297-12	60297-12-5	60294-7	60294-7-14	N/A	
(Standard Flange)	April 1985		October 2005	December 2009	December 1974	July 2011	11/23	
-C1A	PC-306-10		8 th Edition		Sixth Printing	,		
(Wide Flange)	March 1996							
IO-360		:	<u> </u>	:	•	:	<u> </u>	:
	PC-106		60297-12	60297-12-5	60294-7	60294-7-14	N/A	
-A1A, -B1A, -B1B (Standard Flange)	April 1985		October 2005 8th Edition	December 2009	December 1974 Sixth Printing	July 2011	N/A	
-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6, -A3B6D, -B1B, -B1D, -B1E, -B1F, -B2F, -B2F6, -B4A (Wide Flange)	PC-406-1 April 1991	PC-406-1C December 1996 PC-406-1B November 1995 PC-406-1A October 1995 SSP-295 February 1995 SSP-291 April 1991						
-B1G6	PC-306-13 June 1999							
(Wide Flange) -C1G6	PC-IO-360-C1G6	Replaces	\dashv					
-C1G6 (Wide Flange)	July 2016	PC-306-15						
-C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1E6D, -C1F, -D1A, -J1AD, -J1A6D,	PC-406-2 April 1983	PC-406-2E March 2009 PC-406-2D						
-DIA, -JIAD, -JIAOD, (Wide Flange)		February 2009 PC-406-2C March 2007 PC-406-2B March 1986						
		PC-406-2A November 1984						

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		ts Catalog		d Operation Manual		haul Manual		nce Manual
Engine Model	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.
	Date	Date	Date	Date	Date	Date	Date	Date
IO-360 (Cont.)								
-L2A	PC-406-L2A ‡‡		60297-12	60297-12-5	60294-7	60294-7-14	N/A	
(Wide Flange)	April 2012		October 2005	December 2009	December 1974	July 2011		
(Wide Flange)			8 th Edition		Sixth Printing			
-M1A	PC-(L)IO-360-	Replaces	60297-36		LMO-(L)IO-360-1	M1A	Latest Rev. LMO-(L)IO-	-360-M1A-1
(Wide Flange)	M1A	PC-306-14	July 2008		July 2008		October 20)10
	February 2016							
-M1B	PC-306-16		60297-12	60297-12-5	60294-7	60294-7-14	N/A	
(Wide Flange)	January 2011		October 2005	December 2009	December 1974	July 2011		
			8 th Edition		Sixth Printing			
-N1A *	PC-IO-360-N1A		IOM-IO-360-		OM-IO-360-N1A		MM-IO-360-N1A	
(Wide Flange)	February 2016		NIA		February 2016		February 2016	
			February 2016		1 Coluary 2010			
-P1A	PC-IO-360-P1A		IOM-IO-360-		OM-IO-360-P1A		MM-IO-360-P1A	
(Wide Flange)	July 2017		PIA		February 2017		February 2017	
(February 2017		reducity 2017			
LO-360								
-A1G6D	PC-306-2	PC-306-2B	60297-12	60297-12-5	60294-7	60294-7-14	N/A	
(Wide Flange)	August 1981	June 2010	October 2005	December 2009	December 1974	July 2011		
(Wide Fininge)		PC-306-2A	8 th Edition		Sixth Printing			
		June 1986						
-A1H6	PC-306-5	Julie 1700						
(Wide Flange)	June 2011							
-E1A6D	PC-123		60297-25	60297-25-1	60294-9	60294-9-2	N/A	
	July 1978		June 2007	September 2008	August 1996	June 1996	IV/A	
"76 Series"	July 1976		2 nd Edition	September 2006	3 rd Printing	Julie 1990		
TO-360	L	<u> </u>	2 Edition	i .	3 Timing	<u> </u>		<u> </u>
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-E1A6D	PC-124	PC-124-1	60297-26		60294-9	60294-9-2	N/A	
"76 Series"	December 1980	May 1985	July 2007		August 1996	June 1996		
(Wide Flange)			2 nd Edition		3 rd Printing			
-C1A6D,	PC-306-2	PC-306-2B	60297-20		60294-7	60294-7-14	N/A	
(Wide Flange)	August 1981	June 2010	January 2008		December 1974	July 2011		
3 .		PC-306-2A	2 nd Edition		Sixth Printing			
		June 1986						
VO-360								
-A1A, -A1B, -B1A	PC-107		60297-11		60294-8	60294-8-3	N/A	
(Standard Flange)	July 1963		December 1999		April 1978	January 2001		
	_		2 nd Edition		Second Printing	Ī		

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Table 1 Certified Engine Models

	Parts Catalog			d Operation Manual	Over	haul Manual		enance Manual
Engine Model	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.
	Date	Date	Date	Date	Date	Date	Date	Date
AIO-360	•		·		·		•	
-A1A, -A1B, -B1B	PC-406-1	PC-406-1C	60297-12	60297-12-5	60294-7	60294-7-14	N/A	
(Wide Flange)	April 1991	December 1996	October 2005	December 2009	December 1974	July 2011		
(Wide Fininge)	r	PC-406-1B November 1995	8 th Edition		Sixth Printing			
		PC-406-1A						
		October 1995 SSP-295						
		February 1995						
		SSP-291						
		April 1991						
HIO-360								
-A1A, -B1A	PC-106		60297-12	60297-12-5	60294-7	60294-7-14	N/A	
(Standard Flange)	April 1985		October 2005 8 th Edition	December 2009	December 1974 Sixth Printing	July 2011		
-A1A, -A1B, -B1A, -B1B,	PC-406-2	PC-406-2E						
-C1A, -C1B, -D1A, -E1AD,	April 1983	March 2009						
-E1BD, -F1AD		PC-406-2D						
(Wide Flange)		February 2009 PC-406-2C						
		March 2007						
		PC-406-2B						
		March 1986						
		PC-406-2A						
		November 1984						
-G1A	PC-406-6							
(Wide Flange)	February 2003							
IVO-360								
-A1A	PC-107		60297-11		60294-8	60294-8-3	N/A	
(Standard Flange)	July 1963		December 1999 2 nd Edition		April 1978 Second Printing	January 2001		
-A1A	PC-306-17							
(Wide Flange)	August 2010							
LIO-360	I	I	1	I	1	i	l	i
-B1G6	PC-LIO-360-		IOM-LIO-360-B1G6		OHM-LIO-360-B	1G6	MM-LIO-360	
(Wide Flange)	B1G6 July 2017		September 2017		September 2017		September 2017	
-M1A	PC-(L)IO-360-	Replaces	60297-36 LMO-(L)IO-360-M1A Latest Rev. LMO-(L)IO			D-360-M1A-1		
(Wide Flange)	M1A	PC 306-14	July 2008	ly 2008 July 2008 October 2010			2010	
•	February 2016							

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Table 1 Certified Engine Models

	Par	ts Catalog	Installation a	nd Operation Manual		haul Manual		tenance Manual
Engine Model	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.
	Date	Date	Date	Date	Date	Date	Date	Date
LIO-360 (Cont.)								
-C1E6	PC-406-2	PC-406-2E	60297-12	60297-12-5	60294-7	60294-7-14	N/A	
(Wide Flange)	April 1983	March 2009	October 2005	December 2009	December 1974	July 2011		
((Retain PC 206	PC-406-2D	8th Edition		Sixth Printing			
	for Standard	February 2009						
	Flange)	PC-406-2C						
		March 2007						
		PC-406-2B						
		March 1986						
		1						
		PC-406-2A						
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LTO-360	To a	1		:	T	1	T	
-E1A6D	PC-124	PC-124-1	60297-26		60294-9	60294-9-2	N/A	
"76 Series"	December 1980	May 1985	July 2007		August 1996	June 1996		
			2 nd Edition		3 rd Printing			
TIO-360								
-A1B	PC-406-2	PC-406-2E	60297-12	60297-12-5	60294-7	60294-7-14	N/A	
(Wide Flange)	April 1983	March 2009	October 2005	December 2009	December 1974	July 2011		
	(Retain PC 206	PC-406-2D	8 th Edition		Sixth Printing			
	for Standard	February 2009						
	Flange)	PC-406-2C						
		March 2007						
		PC-406-2B						
		March 1986						
		PC-406-2A						
		November 1984						
-C1A6D	PC-406-3	PC-406-3C						
(Wide Flange)	March 1986	January 2010						
		PC-406-3B						
		July 2008						
		PC-406-3A						
		December						
		1996						

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Engine Model	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.
	Date	Date	Date	Date	Date	Date	Date	Date
AEIO-360								
-A1A, -A1B, -A1B6, -A1D,	PC-406-1	PC-406-1C	60297-21	60297-21-1	60294-7	60294-7-14	N/A	
-B1F, -B2F, -B4A	April 1991	December 1996	June 2007	November 2009	December 1974	July 2011		
(Wide Flange)		PC-406-1B	2 nd Edition		Sixth Printing			
		November 1995						
		PC-406-1A						
		October 1995						
		SSP-295						
		February 1995						
		SSP-291						
		April 1991						
-A1E, -B1G6, -A1E6, -H1A	PC-406-2	PC-406-2E						
(Wide Flange)	April 1983 (Retain PC 206	March 2009						
	for Standard	PC-406-2D						
	Flange)	February 2009						
	I milge)	PC-406-2C						
		March 2007						
		PC-406-2B						
		March 1986						
		PC-406-2A November 1984						
-B1B, -B1F, -B1H	PC-406-4	November 1964						
(Wide Flange)	December 2005							
-H1B	PC-406-5							
(Wide Flange)	September 2003							
LHIO-360	1	•	'		1		•	:
-C1A, -C1B, -F1AD	PC-406-2	PC-406-2E	60297-12	60297-12-5	60294-7	60294-7-14	N/A	
, ,	April 1983	March 2009	October 2005	December 2009	December 1974	July 2011		
		PC-406-2D			Sixth Printing	•		
		February 2009						
		PC-406-2C						
		March 2007						
		PC-406-2B						
		March 1986						
		PC-406-2A						
		November 1984						
		<u> </u>	1	:	1	1		

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Engine Model	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	
	Date	Date	Date	Date	Date	Date	Date	Date	
IO-390									
-A1A6, -A1B6, -A3A6, -A3B6	PC-IO-390-A		60297-34	60297-34-1	LMO-390-A Serie	es	Latest Revision - LM	O-390-A-3	
Wide Flange)	July 2016		August 2008	June 2009	August 2008		Od	ctober 2010	
-C1A6, -C1B6, -C3A6, -C3B6	PC-IO-390-C		IOM-IO-390-C		OHM-IO-390-C		MM-IO-390-C		
(Wide Flange)	January 2017		January 2017		January 2017		January 2017		
-D1A6, -D1B6, -D3A6, -D3B6	PC-IO-390-D		IOM-IO-390-D		OHM-IO-390-D		MM-IO-390-D		
(Wide Flange)	April 2020		March 2020		March 2020		March 2020		
HIO-390									
-A1A	PC-HIO-390-A1A		IOM-HIO-390-	A1A	OHM-HIO-390-A	1A	MM-HIO-390-	A1A	
	May 2018		October 2017		October 2017		October 2017		
AEIO-390									
-A1A6, -A1B6, -A3A6, -A3B6	PC-AEIO-390-A		60297-42		LMO-AEIO-390-	A Series			
(Wide Flange)	August 2016		April 2012		April 2012				
O-435		•	•	•	•				
-A, -A2	PC-108	Reprint	N/A		60294-7	60294-7-14	N/A		
,		July 2005			December 1974	July 2011			
					Sixth Printing				
VO-435									
A1B (O-435-6 military), -A1C	PC-110	SSP-3071-1	60297-8	60297-8-1	60294-8	60294-8-3	N/A		
O-435-23, 23A, 23B, 23C military)	February 1963	October 1972	May 1999	October 1980	April 1978	January 2001			
A1D (O-435-A1D military)		SSP 3071	3 rd Edition		Second Printing				
A1E, -A1F, -B1A		January 1972							
ΓVO-435									
A1A, -B1A, -D1A, -D1B,	PC-110	SSP-3071-1	60297-8	60297-8-1	60294-8	60294-8-3	N/A		
F1A, -G1A	February 1963	October 1972	May 1999	October 1980	April 1978	January 2001			
		SSP 3071	3 rd Edition		Second Printing				
		January 1972							
GO-480									
B, -B1B, -B1C, -B1D, -B1A6,	PC-111		60297-14		60294-5	60294-5-6	N/A		
-D1A, -F6, -F1A6, -F2A6,	February 1969		July 2008 3 rd Edition		April 1970	June 1996			
F4A6			3" Edition		Fourth Printing				
(Low Comp.)									

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	Date	Date	Date	Date	Date	Date	Date	Date
GSO-480								
-A1A6, -A1C6, -A2A6, -B1A6,	PC-114	SSP-780	60297-14		60294-5	60294-5-6	N/A	
-B1B3, -B1B6, -B1C6, -B1E6,	October 1968	October 1980	July 2008		April 1970	June 1996		
-B1F6, -B1G6, -B1J6, -B2C6,		PC-114-2	3 rd Edition		Fourth Printing			
-B2D6, -B2G6, -B2H6		March 1974						
-Б2D0, -Б2О0, -Б2П0		SSP-2471						
		November 1971						
		PC-114-1						
		March 1970						
IGSO-480		Water 1970						
-A1A6, -A1B6, -A1C6, -A1D6,	PC-114	SSP-780	60297-14		60294-5	60294-5-6	N/A	
		October 1980	July 2008		April 1970	June 1996	IN/A	
-A1E6, -A1F3, -A1F6, -A1G6	October 1968	PC-114-2	3 rd Edition		Fourth Printing	Julie 1770		
		March 1974	3 Edition		1 out at 1 titling			
		SSP-2471 November 1971						
		PC-114-1 March 1970						
O-540	I	i Water 1970			<u>I</u>	<u> </u>	<u> </u>	
-A1A, -A1A5, -A1B5, -A1C5,	PC-115-1	PC-115-1A	60297-10	60297-10-3	60294-7	60294-7-14	N/A	
	March 1991	October 1991	June 2006	March 2009	December 1974	July 2011	IV/A	
-A1D, -A1D5, -A2B, -A3D5	Water 1991	October 1991	4 th Edition	March 2009	Sixth Printing	July 2011		
(Standard Flange) -A4B5	PC-515-5				Jimin I Imming			
	April 2010							
(Wide Flange) -A4D5	PC-515-3							
(Wide Flange)	February 2003							
-A4E5	PC-515-A4E5		60297-43		1		LM-O-540	
(Wide Flange)	April 2012		June 2012				June 2012	
-B1A5, -B1B5, -B2B5, -B2C5,	PC-115-2	PC-115-2A	60297-10	60297-10-3	-		N/A	
-B4B5, -E4A5, -E4B5, -E4C5,	August 2009	Included in	June 2006	March 2009			- 1111	
-G1A5, -G2A5		Reprint	4th Edition					
(Standard Flange)								
-B2B5, -B2C5, -B4B5, -E4A5,	PC-515	PC-515-1						
-B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5,	Dec 1978	March 1979						
-E4B5, -E4C5, -GTA5, -H1B5D, -H2B5D								
(Wide Flange)								
-F1B5	PC-515-2							
Wide Flange)	October 2009							

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Engine Model	Part No. Date	Latest Rev. Date	Part No. Date	Latest Rev. Date	Part No. Date	Latest Rev. Date	Part No. Date	Latest Rev. Date	
O-540 (Cont.)									
-H2A5 (Wide Flange) -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D (Wide Flange)	PC-515-4 November 2005 PC-415-1 March 1994		60297-10 June 2006 4 th Edition	60297-10-3 March 2009	60294-7 December 1974 Sixth Printing	60294-7-14 July 2011	N/A		
IO-540	•								
-A1A5, -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5 (Standard Flange)	PC-215-1 June 1993	PC-215-1A August 2010	60297-10 June 2006 4 th Edition	60297-10-3 March 2009	60294-7 December 1974 Sixth Printing	60294-7-14 July 2011	N/A		
-AB1A5 (Wide Flange)	PC-IO-540 -AB1A5 January 2016	Supersedes PC-615-10							
-AA1A5, -C4B5, -C4D5, -D4A5, -G1D5, -K1B5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K2A5, -M1B5D, -S1A5 (Wide Flange)	PC-615 October 1979	SSP-192 January 1992 SSP-290 April 1990 SSP-1080 November 1980 SSP-1084-1 January 1985							
-AC1A5 (Wide Flange)	PC-615-12 February 1999								
-AE1A5 (Wide Flange)	PC-615-AE1A5 August 2013								
-AF1A5 (Wide Flange)	PC-615-14 July 2008	PC-615-14B January 2010 PC-615-14A April 2009	60297-33 February 2008		LMO-IO-540-AF February 2008		Latest Rev LMO-IO- October	2010	
-AG1A5 (Wide Flange)	PC-615-AG1A5 December 2012		60297-45 November 2012		60294-7 December 1974	60294-7-14 July 2011	LM-IO-540-AG1 November 2012	A5	
-C4D5D (Wide Flange)	PC-615-1 July 1982		60297-10 June 2006 4 th Edition	60297-10-3 March 2009	Sixth Printing		N/A		
-D4B5 (Wide Flange)	PC-IO-540-D4B5 April 2015								

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Engine Model	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.
	Date	Date	Date	Date	Date	Date	Date	Date
IO-540 (Cont.)								
-J4A5, -K1A5, -K1B5, -K1C5,	PC-215-2	SSP-593	60297-10	60297-10-3	60294-7	60294-7-14	N/A	
-K1D5, -K1E5, -K1F5, -K1G5,	June 1993	June 1993	June 2006	March 2009	December 1974	July 2011		
-M1A5, -N1A5, -P1A5, -R1A5,			4 th Edition		Sixth Printing			
-S1A5								
(Standard Flange)								
-K1A5, -K1A5D	PC-615-K1A5							
(Wide Flange)	February 2015							
-K1H5	PC-615-2	PC-615-2C						
(Wide Flange)	November 1983	February 2003						
		PC-615-2A June 1985						
-K1K5	PC-615-K1K5							
(Wide Flange)	September 2013							
-L1C5	PC-615-5							
(Wide Flange)	July 1986							
-T4A5D, -T4B5, -T4B5D,	PC-615-8							
-T4C5D	October 1992							
(Wide Flange)								
-V4A5, -V4A5D	PC-615-3							
(Wide Flange)	March 2011							
-W1A5, -W1A5D -W3A5D	PC-615-4 October 1993							
(Wide Flange)	October 1993							
VO-540								
-A1A, -A2A, -B1A, -B1B,	PC-118	SSP1473	60297-17		60294-8	60294-8-3	N/A	
-B1B3, -B1C, -B1D, -B1E,	February 1970	November 1973	May 2008		April 1978	January 2001		
-B1F, -B1H3, -B2A, -B2C,			2 nd Edition		Second Printing			
-B2D, -B2E,								
-B2G, -C1A, -C1B, -C1C3,	PC-118	SSP1473						-
-C2A, -C2B, -C2C	February 1970	November 1973						
(Standard Flange)								
IGO-540								
-A1A, -A1B, -A1C, -B1A,	PC-116		60297-15		60294-5	60294-5-6	N/A	
-B1B, -B1C	June 1981		January 2008		April 1970	June 1996		
(Standard Flange)			3 rd Edition		Fourth Printing			

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Engine Model	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.
	Date	Date	Date	Date	Date	Date	Date	Date
IVO-540								
-A1A	PC-118	SSP1473	60297-17		60294-8	60294-8-3	N/A	
(Standard Flange)	February 1970	November 1973	May 2008		April 1978	January 2001	- "	
(Standard Flange)			2 nd Edition		Second Printing	,,		
TEO-540			•	•		•	•	•
-A1A	PC-TEO-540-A1A		IOM-TEO-540-	A1A	OHM-TEO-540-A	A1A	MM-TEO-540-A1A	
	February 2019		October 2018		October 2018		October 2018	
-C1A	PC-TEO-540-C1A	Revision 5	IOM-TEO-540-	C1A Revision 4	OHM-TEO-540-C	C1A Revision 3	MM-TEO-540-C1A	Revision 4
	January 2019	Aug. 2023	November 2018	November 2021	November 2018	July 2021	November 2018	November 2021
TIO-540	· · · · · · · · · · · · · · · · · · ·	<u> </u>	•		•	· •	•	•
-A1A, -A1B, -A2A, -A2B, -A2C	PC-315-6	PC-315-6A October	60297-23A	60297-23A-3	60294-7	60294-7-14	N/A	
(Standard Flange)	October 1991	1992	November 2005		December 1974	July 2011		
-A2B, -A2C, -F2BD, -J2B,	PC-315-5	PC-315-5E	4 th Edition		Sixth Printing			
-J2BD, -N2BD, -R2AD, -S1AD		September 2010						
	October 1991	PC-315-5D						
(Wide Flange)		December 2008						
		PC-315-5C						
		December 1996						
		PC-315-5B						
		February 1995						
		SSP-493						
		June 1993						
		PC-315-5A						
		October 1991						
-C1A, -E1A, -G1A, -H1A	PC-315-6		60297-23P	60297-23P-2				
(Standard Flange)	October 1991	1992	March 2006	October 2006				
(Standard Frange)			4 th Edition					
-C1A		PC-315-5E						
(Wide Flange)	October 1991	September 2010						
		PC-315-5D						
		December 2008						
		PC-315-5C						
		December 1996						
		PC-315-5B						
		February 1995						
		-						
		SSP-493						
		June 1993						
		PC-315-5A						
		October 1991						

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	Pai	ts Catalog	Installation and	Installation and Operation Manual				Maintenance Manual	
Engine Model	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	
	Date	Date	Date	Date	Date	Date	Date	Date	
ΓΙΟ-540 (Cont.)									
AE2A	PC-315-7			60297-27	60294-7	60294-7-14	N/A		
(Wide Flange)	December 2013			November 2006	December 1974	July 2011			
				2 nd Edition	Sixth Printing	'			
-AF1A, -AF1B	PC-315-8	PC-315-8B	60297-23P	60297-23P-2]				
Wide Flange)	September 1989	November 2002	March 2006	October 2006					
_		PC-315-8A	4th Edition						
		February 1995							
-AG1A	PC-315-9		60297-23A	60297-23A-3					
Wide Flange)	September 1995		November 2005	January 2013					
-AH1A	PC-315-10		4 th Edition						
(Wide Flange)	June 2011								
-AJ1A	PC-TIO-540-								
(Wide Flange)	AJ1A								
	May 2016								
	Supersedes								
	PC-315-12	DG 245 424	50207 22D	60297-23P-2	-				
-AK1A	PC-315-13	PC-315-13A	60297-23P March 2006	October 2006					
(Wide Flange)	August 2001	December 2002	4 th Edition	Octobel 2000					
-AA1AD	PC-315-4		4 Edition						
(Wide Flange)	January 2011								
-AB1AD	PC-315-3								
(Wide Flange)	May 1985								
-U2A	PC-315-1	PC-315-1B	60297-23A	60297-23A-3					
(Wide Flange)	February 1983	January 2009	November 2005	January 2013					
		PC-315-1A	4 th Edition						
		February 1995							
V2AD	PC-315-2	PC-315-2A							
Wide Flange)	December 1983	July 1986							
-W2A	PC-315-11	PC-315-11A							
(Wide Flange)	January 1999	January 2010							
AEIO-540									
-D4B5	PC-215	SSP1675	60297-21	60297-21-1	60294-7	60294-7-14	N/A		
(Standard Flange)	May 1972	December 1975	June 2007	November 2009	December 1974	July 2011			
D115 D1D5 D1D5	PG 615 11	DC 615 114	2 nd Edition		Sixth Printing				
-D4A5, -D4B5, -D4D5	PC-615-11	PC-615-11A							
Wide Flange)	October 1991	September 2001	<u> </u>						
L1B5	PC-615-9								
Wide Flange)	December 1989		<u> </u>						
L1B5D	PC-615-7 March 1987								
Wide Flange)	March 1967								

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	Date	Date	Date	Date	Date	Date	Date	Date
TIO-540								
F2BD, -J2B, -J2BD, -N2BD,	PC-315-5	PC-315-5E	60297-23A	60297-23A-3	60294-7	60294-7-14	N/A	
R2AD	October 1991	September 2010	November 2005	January 2013	December 1974	July 2011		
Wide Flange)		PC-315-5D December 2008	4 th Edition		Sixth Printing	Ž		
		PC-315-5C						
		December 1996						
		PC-315-5B						
		February 1995						
		SSP-493						
		June 1993						
		PC-315-5A						
		October 1991						
-U2A	PC-315-1	PC-315-1B						
(Wide Flange)	February 1983	January 2009						
		PC-315-1A						
-V2AD	PC-315-2	February 1995 PC-315-2A						
(Wide Flange)	December 1983	July 1986						
-W2A	PC-315-11	PC-315-11A						
(Wide Flange)	January 1999	January 2010						
TIVO-540	•	•			•	•		·
-A2A	PC-118		60297-17		60294-8	60294-8-3	N/A	
(Standard Flange)	February 1970		May 2008		April 1978	January 2001		
			2 nd Edition		Second Printing			
TIO-541								
-A1A, -E1A4, -E1B4, E1C4,	PC-120	PC-120-1	60297-13		60294-6	60294-6-3	N/A	
-E1D4	September 1974	January 1982	December 2007		October 1975	June 1996		
			3 rd Edition					
ΓIGO-541								
-D1B	PC-121	PC-121-1	SSP-1570		60294-6	60294-6-3	N/A	
	November 1975	September 1976	November 1988		October 1975	June 1996		
-E1A		SSP-1177						
TO 500	1	December 1977			<u> </u>			
IO-580	DC 701 1	1	(0207.20		1.MO 500 B		T (D) ; **	40.500 P.1
-B1A	PC-701-1 March 2003		60297-28 April 2003		LMO-580-B April 2003		Latest Revision: LM	1O-580-B-1 October 2010
(Wide Flange)	IVIATOR 2003		Aprii 2005		Аргіі 2003			october 2010

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Engine Model	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	Part	No.	Latest Rev.
	Date	Date	Date	Date	Date	Date	Date	•	Date
AEIO-580									
-B1A	PC-701-2 June 2007	PC-701-2B November 2009 PC-701-2A January 2009	60297-32 June 2007		LMO-AEIO-580 June 2007		Latest Rev	vision: LMO-AI Octobe	EIO-580-2 er 2010
IO-720									
-A1A, -A1B, -B1B, -B1BD, -C1B, -D1B, -D1CD	PC-119 November 1977	PC-119-A January 1983 SSP-778 May 1978	60297-19 October 2006 4 th Edition		60294-7 December 1974 Sixth Printing	60294-7-14 July 2011	N/A		
-D1C	PC-119-1 October 1982	Ĭ							

- * IO-360-NIA Service Manual SM-IO-360-N1A
- † The July, 1984 edition of PC-203-1 has been split up into smaller parts catalogs (PC-203-1 through PC-203-8).
- ‡ PC-203-9 was previously PC-203-2. Cover only is dated January 2012. Contents include Revision A dated December 1985. Information for Model O-320-D3G in PC-203-9 is obsolete; use PC-203-D3G for the latest spare parts incormation and illustrations.
- ‡‡ PC-406-L2A was previously PC-306-12.

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Table 2 Experimental Engine Models

	Parts (Catalog	Installation and	Operation Manual	Ove	rhaul Manual	Maintenan	ce Manual
Engine Model	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.	Part No.	Latest Rev.
	Date	Date	Date	Date	Date	Date	Date	Date
YO-233								
-B2A	PC-YO-233-B2A		60297-40-A	60297-40-B			MM-YO-233-B2A	
(Wide Flange)	March 2016		December 2013	November 2014			February 2021	
YIO-390								
-EXP			60297-29					
(Wide Flange)			June 2007					
-B Series	PC-409-2		60297-37					
(Wide Flange)	November 2009		November 2009					
YTEO-540								
-B1A (Lancair)	PC-YTEO-540-B1A	Supersedes	IOM-YTEO-540-B1A	Supersedes 28302-			MM-YTEO-540-B1A	Supersedes LMO-
	(Lancair)	PC-801-540 IE2	(Lancair)	10-A and 60297-39			(Lancair)	YTEO-540
	April 2016		April 2016				April 2016	

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Table 3
Special Service Publications

Part Number	Title	Publication Date						
SSP-110-2	Certificated Engine List							
SSP-112-13	Index of Service Bulletins, Letters, and Instructions							
SSP-122 Rev 1	FST User Manual & Troubleshooting Guide							
SSP-384 - 2 nd Edition	ition Special Service Tools for Lycoming Piston Engines							
SSP-875-1	Removal and Installation Labor Allowance Guidebook							
SSP-885-2	Oil Filter Replacement Kits	February 2003						
SSP-400 Rev. 3	Operating Recommendations for TIO-540-AE2A engines installed in Piper Aircraft, Malibu Mirage- (NOTE: One per customer)	March 2010						
SSP-475	Trouble-Shooting Guide	January 2006						
SSP-1776-5	Table of Limits, Complete Book	April 2020						
SSP-1776-5-PT1	Table of Limits, Part I – Direct Drive Only	April 2020						
SSP-1776-5-PT2	Table of Limits, Part II – Integral Only	April 2020						
SSP-1776-5-PT3	Table of Limits, Part III – Geared Only	April 2020						
SSP-1776-5-PT4	Table of Limits, Part IV – Vertical Only	April 2020						

Note: SSP-1169 is no longer available.

Note: SSP-490 is no longer available; use starter vendor's manual.

Note: SFN-880 is no longer available, refer to the latest revision of Service Instruction 1037 for cylinder, piston, piston ring, and gasket set application.

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Table 4 TDATA Electronic Publication Sets on DVD					
Part Number	Description				
LYC4	4 Cylinder Manuals - Single Computer				
LYC4-5UL	4 Cylinder Manuals - Up to 5 Computers				
LYC4-10UL	4 Cylinder Manuals - Up to 10 Computers				
LYC6	6 Cylinder Manuals - Single Computer				
LYC6-5UL	6 Cylinder Manuals - Up to 5 Computers				
LYC6-10UL	6 Cylinder Manuals - Up to 10 Computers				
LYC8	8 Cylinder Manuals - Single Computer				
LYC8-5UL	8 Cylinder Manuals - Up to 5 Computers				
LYC8-10UL	8 Cylinder Manuals - Up to 10 Computers				
LYCH	Helicopter Engine Manuals - Single Computer				
LYCH-5UL	Helicopter Engine Manuals - Up to 5 Computers				
LYCH-10UL	Helicopter Engine Manuals - Up to 10 Computers				
LYC4/6	4 and 6 Cylinder Manuals - Single Computer				
LYC4/6-5UL	4 and 6 Cylinder Manuals - Up to 5 Computers				
LYC4/6-10UL	4 and 6 Cylinder Manuals - Up to 10 Computers				
LYCC	Complete Library for Lycoming Manuals - Single Computer				
LYCC-5UL	Complete Library for Lycoming Manuals - Up to 5 Computers				
LYCC-10UL	Complete Library for Lycoming Manuals - Up to 10 Computers				

NOTE: The 1-year subscription includes the initial issue and three quarterly updates plus incremental updates via the Tdata website.

NOTE: A signed license agreement is <u>not</u> required to purchase. The agreement is included during software installation.

NOTE: Single and multi-user licenses are available, and the software can be installed for network use. If you require more than 10 user licenses, please contact or visit <u>Tdata.com</u> for more information.

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Part Number		Description
BD2 - NEW	ATP® Maintenance Libraries	6 & 8 Cylinder Maintenance Library �
BD2 - REN	ATP® Maintenance Libraries	Renewal: 6 & 8 Cylinder Maintenance Library *
BD3 - NEW	ATP® Maintenance Libraries	4 Cylinder Maintenance Library *
BD3 - REN	ATP® Maintenance Libraries	Renewal: 4 Cylinder Maintenance Library �
BD6 - NEW	ATP® Maintenance Libraries	Complete Lycoming Maintenance Library �
BD6 - REN	ATP® Maintenance Libraries	Renewal: Complete Lycoming Maintenance Library �
BEX - NEW	ATP® Maintenance Libraries	Complete Set of Active Service Bulletins, Letters and Instructions, including One Year of Revisions
BEX - REN	ATP® Maintenance Libraries	Renewal: Complete Set of Active Service Bulletins, Letters and Instructions, including One Year of Revisions
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BYI - REN	ATP® Maintenance Libraries	Renewal: 4 & 6 Cylinder Maintenance Library �

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NOTE: Purchase of ATP Maintenance Library subscriptions require a signed license agreement with ATP.

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