



652 Oliver Street  
Williamsport, PA. 17701 U.S.A.

Telephone +1 (800) 258-3279 U.S. and Canada (Toll Free)  
Telephone +1 (570) 323-6181 (Direct)  
Facsimile +1 (570) 327-7101

www.lycoming.com

# SERVICE INSTRUCTION

DATE: June 17, 2016

Service Instruction No. 1408C  
(Supersedes Service Instruction No. 1408B)  
Engineering Aspects are  
FAA-Approved

**SUBJECT:** Engine Mounting Bracket Replacement

**MODELS AFFECTED:** Lycoming engine models TIO-540-S1AD, IO-540-K1G5, and IO-540-K1G5D

**TIME OF COMPLIANCE:** When necessary to replace engine mounting brackets

**REASON FOR REVISION:** Part number corrections in Table 1

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

This Service Instruction identifies part numbers for replacement sets of engine mounting brackets for Lycoming engine models TIO-540-S1AD, IO-540-K1G5 and IO-540-K1G5D in Piper PA-32 series aircraft. Different sets of engine mounting brackets were used in Piper aircraft model years up to and including 1980 than those installed on Piper aircraft since 1981.

Table 1 identifies the engine mounting bracket replacement parts used on Piper aircraft model years up to 1980. Table 2 identifies current and superseded engine mounting bracket replacement parts on Piper aircraft model years from 1981 to the present.

**Table 1**  
**Engine Mounting Bracket Replacement Parts**  
**(for Piper Aircraft Model Years up to and Including 1980)**

LYCOMING MODEL	QTY PER ASSY	PART NUMBER	PART DESCRIPTION
<b>TIO-540-S1AD</b>	1	70456	Bracket, Engine Mounting Lower Left (Dynafoval)
	2	LW-12317	Bracket, Engine Mounting Right Side, Top and Bottom
	1	72244	Bracket, Engine Mounting Top Left
	1	LW-15978	Strut, Turbo Lower
	1	LW-15979	Strut, Turbo Upper
	2	LW-31S3.85	Bolt
<b>IO-540-K1G5 and IO-540-K1G5D</b>	4	70456	Bracket, Engine Mounting
	1	78100* or LW-16956	Housing Assy., Air Inlet

\* Housing Assembly P/N 78100 is interchangeable with P/N LW-16956 Housing Assembly.



General Aviation  
Manufacturers Association

ISSUED			REVISED			PAGE NO.	REVISION
MO	DAY	YEAR	MO	DAY	YEAR	1 of 2	C
09	04	81	06	17	16		

**Table 2**  
**Engine Mounting Bracket Replacement Parts**  
**(for Piper Aircraft Model Years from 1981 to Present)**

<b>LYCOMING MODEL</b>	<b>QTY PER ASSY</b>	<b>CURRENT PART NUMBER SET</b>	<b>PART DESCRIPTION</b>
<b>TIO-540-S1AD</b>	4	12A19770	Bracket, Engine Mounting
	1	LW-16952	Strut, Turbo Lower
	1	LW-16953	Strut, Turbo Upper
	2	LW-31S4.16	Bolt
<b>IO-540-K1G5 and IO-540-K1G5D</b>	4	12A19770	Bracket, Engine Mounting
	1	LW-16956	Housing Assy., Air Inlet

ISSUED			REVISED			PAGE NO.	REVISION	S.I. 1408
MO	DAY	YEAR	MO	DAY	YEAR	2 of 2	C	
09	04	81	06	17	16			