



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: January 6, 2015

Service Instruction No. 1523D  
(Supersedes Service Instruction No. 1523C)  
Engineering Aspects are  
FAA-Approved

SUBJECT: Lycoming Engines' Carburetor Manufacturer Cross-References

MODELS AFFECTED: Refer to Table 1

TIME OF COMPLIANCE: As Required for Replacement

REASON FOR REVISION: Add part numbers

**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 carburetors from specific manufacturers currently available for Lycoming engine models. Table 1 identifies the carburetor models, Lycoming part numbers, and applicable manufacturer cross-references for corresponding Lycoming engine models.

Lycoming carburetor model designations are identified in the latest revision of Service Letter L254.

**Table 1**  
**Lycoming Engine Carburetor Manufacturer Cross-Reference**

Lycoming Engine Model	Lycoming Model Designation (SL L254)	Lycoming Part Numbers	Manufacturer's Information	
O-235-C, -E, -H, -K, -M	LVC-3-3PA	61A26382	AV*	Model: LVC-3-3PA Setting: AV 10-5142
		LW-14016	MS*	Model: MA-3PA Setting: 10-5142
	LVC-3-3PA	61A26383	AV*	Model: LVC-3-3PA Setting: AV 10-5220
		LW-16073	MS*	Model: MA-3PA Setting: 10-5220
	LVC-3-3PA	61A26384	AV*	Model: LVC-3-3PA Setting: AV 10-5257
		LW-16677	MS*	Model: MA-3PA Setting: 10-5257



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**Table 1 (cont.)  
Lycoming Engine Carburetor Manufacturer Cross-Reference**

Lycoming Engine Model	Lycoming Model Designation (SL L254)	Lycoming Part Numbers	Manufacturer's Information	
O-235-C, -E, -H, -K, -M (cont.)	LVC-3-3A	61A26399	AV*	Model: LVC-3-3A Setting: AV 10-5199
		LW-15496	MS*	Model: MA-3A Setting: 10-5199
	LVC-3-3PA	61A26699	AV*	Model: LVC-3-3PA Setting: AV 10-5050
		LW- 10619	MS*	Model: MA-3PA Setting: 10-5050
O-235-L, -N, -P	LVC-3-3PA	61A26382	AV*	Model: LVC-3-3PA Setting: AV 10-5142
		LW-14016	MS*	Model: MA-3PA Setting: 10-5142
	LVC-3-3PA	61A26383	AV*	Model: LVC-3-3PA Setting: AV 10-5220
		LW-16073	MS*	Model: MA-3PA Setting: 10-5220
	LVC-3-3PA	61A26384	AV*	Model: LVC-3-3PA Setting: AV 10-5257
		LW-16677	MS*	Model: MA-3PA Setting: 10-5257
	LVC-3-3PA	61A26385	AV*	Model: LVC-3-3PA Setting: AV 10-5267
		LW-16907	MS*	Model: MA-3PA Setting: 10-5267
	LVC-3-3A	61A26399	AV*	Model: LVC-3-3A Setting: AV 10-5199
		LW-15496	MS*	Model: MA-3A Setting: 10-5199
	LVC-3-3PA	61A26699	AV*	Model: LVC-3-3PA Setting: AV 10-5050
		LW-10619	MS*	Model: MA-3PA Setting: 10-5050
O-320-A2B, -A2D	LVC-5-4PA	61B26211	AV*	Model: LVC-5-4PA Setting: AV 10-3678-32
		72394	MS*	Model: MA-4SPA Setting: 10-3678-32
O-320-A2B,E2G	LVC-5-4PA	61B26213	AV*	Model: LVC-5-4PA Setting: AV 10-5009
		78728	MS*	Model: MA-4SPA Setting: 10-5009

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**Table 1 (cont.)  
Lycoming Engine Carburetor Manufacturer Cross-Reference**

Lycoming Engine Model	Lycoming Model Designation (SL L254)	Lycoming Part Numbers	Manufacturer's Information	
O-320-D	LVC-5-4PA	61B26214	AV*	Model: LVC-5-4PA Setting: AV 10-5217
		LW-15986	MS*	Model: MA-4SPA Setting: 10-5217
O-320-A, -E	LVC-5-4PA	61B26211	AV*	Model: LVC-5-4PA Setting: AV 10-3678-32
		72394	MS*	Model: MA-4SPA Setting: 10-3678-32
	LVC-5-4PA	61B26213	AV*	Model: LVC-5-4PA Setting: AV 10-5009
		78728	MS*	Model: MA-4SPA Setting: 10-5009
	LVC-5-4PA	61B26214	AV*	Model: LVC-5-4PA Setting: AV 10-5217
		LW-15986	MS*	Model: MA-4SPA Setting: 10-5217
O-320-B, -D	LVC-5-4PA	61B26211	AV*	Model: LVC-5-4PA Setting: AV 10-3678-32
		72394	MS*	Model: MA-4SPA Setting: 10-3678-32
	LVC-5-4PA	61B26212	AV*	Model: LVC-5-4PA Setting: AV 10-4910-1
		LW-16559	MS*	Model: MA-4SPA Setting: 10-4910-1
	LVC-5-4PA	61B26213	AV*	Model: LVC-5-4PA Setting: AV 10-5009
		78728	MS*	Model: MA-4SPA Setting: 10-5009
	LVC-5-4PA	61B26214	AV*	Model: LVC-5-4PA Setting: AV 10-5217
		LW-15986	MS*	Model: MA-4SPA Setting: 10-5217
	LHC-6-6BPA	61E26391	AV*	Model: LHC-6-6BPA Setting: AV 10-5224
		LW-15958	MS*	Model: HA-6 Setting: 10-5224
O-320-H	LVC-5-4PA	61B26211	AV*	Model: LVC-5-4PA Setting: AV 10-3678-32
		72394	MS*	Model: MA-4SPA Setting: 10-3678-32

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**Table 1 (cont.)  
Lycoming Engine Carburetor Manufacturer Cross-Reference**

Lycoming Engine Model	Lycoming Model Designation (SL L254)	Lycoming Part Numbers	Manufacturer's Information	
O-320-H (Cont.)	LVC-5-4PA	61B26213	AV*	Model: LVC-5-4PA Setting: AV 10-5009
		78728	MS*	Model: MA-4SPA Setting: 10-5009
	LVC-5-4PA	61B26214	AV*	Model: LVC-5-4PA Setting: AV 10-5217
		LW-15986	MS*	Model: MA-4SPA Setting: 10-5217
O, LO-360-A, -C	LVC-5-5BPA	61C26046	AV*	Model: LVC-5-5BPA Setting: AV 10-3878
		71098	MS*	Model: MA-4-5 Setting: 10-3878
	LVC-5-5BPA	61C26047	AV*	Model: LVC-5-5BPA Setting: AV 10-4164-1
		71710	MS*	Model: MA-4-5 Setting: 10-4164-1
	LVC-5-5BPA	61C26049	AV*	Model: LVC-5-5BPA Setting: AV 10-5193
		LW-15380	MS*	Model: MA-4-5 Setting: 10-5193
	LVC-5-5BPA	61C26051	AV*	Model: LVC-5-5BPA Setting: AV 10-6102
		61C23100	MS*	Model: MA-4-5 Setting: 10-6102
	LVC-5-5BPA	61C26052	AV*	Model: LVC-5-5BPA Setting: AV 10-6054
		61C22551	MS*	Model: MA-4-5 Setting: 10-6054
	LVC-5-5BPA	61C26127	AV*	Model: LVC-5-5BPA Setting: AV 10-5034
		LW-10064	MS*	Model: MA-4-5 Setting: 10-5034
	LVC-5-5BPA	61C26128	AV*	Model: LVC-5-5BPA Setting: AV 10-6108
		61C23531	MS*	Model: MA-4-5 Setting: 10-6108
	LHC-6-6BPA	61E26392	AV*	Model: LHC-6-6BPA Setting: AV 10-5230
		LW-15959	MS*	Model: HA-6 Setting: 10-5230

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Lycoming Engine Carburetor Manufacturer Cross-Reference**

Lycoming Engine Model	Lycoming Model Designation (SL L254)	Lycoming Part Numbers	Manufacturer's Information	
O, LO-360-A, -C (Cont.)	LHC-6-6BPA	61E26393	AV*	Model: LHC-6-6BPA Setting: AV 10-5255
		LW-16625	MS*	Model: HA-6 Setting: 10-5255
	LHC-6-6BPA	61E26377	AV*	Model: LHC-6-6BPA Setting: AV 10-5219
		LW-15957	MS*	Model: HA-6 Setting: 10-5219
O, LO-360-A	LHC-6-6BPA	61E26380	AV*	Model: LHC-6-6BPA Setting: AV 10-6019
		61E21713	MS*	Model: HA-6 Setting: 10-6019
	LHC-6-6BPA	61E26381	AV*	Model: LHC-6-6BPA Setting: AV 10-6019-1
		61E23632	MS*	Model: HA-6 Setting: 10-6019-1
	LHC-6-6BPA	61E26397	AV*	Model: LHC-6-6BPA Setting: AV 10-5283
		LW-18663	MS*	Model: HA-6 Setting: 10-5283
O, LO-360-E	LHC-6-6BPA	61E26377	AV*	Model: LHC-6-6BPA Setting: AV 10-5219
		LW-15957	MS*	Model: HA-6 Setting: 10-5219
	LHC-6-6BPA	61E26380	AV*	Model: LHC-6-6BPA Setting: AV 10-6019
		61E21713	MS*	Model: HA-6 Setting: 10-6019
O-360-A, -F	LHC-6-6BPA	61E26379	AV*	Model: LHC-6-6BPA Setting: AV 10-5253
		LW-16518	MS*	Model: HA-6 Setting: 10-5253
O-360-B, -D	LVC-5-5BPA	61C26047	AV*	Model: LVC-5-5BPA Setting: AV 10-4164-1
		71710	MS*	Model: MA-4-5 Setting: 10-4164-1
	LVC-5-5BPA	61C26052	AV*	Model: LVC-5-5BPA Setting: AV 10-6054
		61C22551	MS*	Model: MA-4-5 Setting: 10-6054

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Lycoming Engine Carburetor Manufacturer Cross-Reference**

Lycoming Engine Model	Lycoming Model Designation (SL L254)	Lycoming Part Numbers	Manufacturer's Information	
O-360-B, -D (Cont.)	LVC-5-5BPA	61C26127	AV*	Model: LVC-5-5BPA Setting: AV 10-5034
		LW-10064	MS*	Model: MA-4-5 Setting: 10-5034
O, HO-360-B	LVC-5-5BPA	61C26701	AV*	Model: LVC-5-5BPA Setting: AV 10-5288
		LW-18788	MS*	Model: MA-4-5 Setting: 10-5288
O-360-J2A	LVC-5-4PA	61B26214	AV*	Model: LVC-5-4PA Setting: AV 10-5217
		LW-15986	MS*	Model: MA-4SPA Setting: 10-5217
		61B26215	AV*	Model: LVC-5-4PA Setting: AV 10-6110
		61B23955	MS*	Model: MA-4SPA Setting: 10-6110
O-360-J2A (Guimbal Helicopter only)	LVC-5-4PA	61B28159	AV*	Model: LVC-5-4PA Setting: AV 10-6500
		61B26215-L	AV*	Model: LVC-5-4PA Setting: AV 10-6110
HO-360-C	LHC-6-6BPA	61E26395	AV*	Model: LHC-6-6BPA Setting: AV 10-6030-1
		61E22534	MS*	Model: HA-6 Setting: 10-6030-1
TO, LTO-360-E	LHC-6-6BA	61E26394	AV*	Model: LHC-6-6BA Setting: AV 10-5256-1
O-540-A, -B, -E	LVC-5-5PA	61C26048	AV*	Model: LVC-5-5PA Setting: AV 10-5054
		LW-10540	MS*	Model: MA-4-5 Setting: 10-5054
	LVC-5-5PA	61C26133	AV*	Model: LVC-5-5PA Setting: AV 10-4404
		72740	MS*	Model: MA-4-5 Setting: 10-4404
	LVC-5-5PA	61C26134	AV*	Model: LVC-5-5PA Setting: AV 10-4404-1
		74121	MS*	Model: MA-4-5 Setting: 10-4404-1
O-540-F	LVC-5-5PA	61C26050	AV*	Model: LVC-5-5PA Setting: AV 10-6035-11
		61C22451	MS*	Model: MA4-5 Setting: 10-6035-11

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Lycoming Engine Model	Lycoming Model Designation (SL L254)	Lycoming Part Numbers	Manufacturer's Information	
			Manufacturer's Designation	Model and Setting
O-540-G, -H	LVC-5-5PA	61C26133	AV*	Model: LVC-5-5PA Setting: AV 10-4404
		72740	MS*	Model: MA-4-5 Setting: 10-4404
		61C26134	AV*	Model: LVC-5-5PA Setting: AV 10-4404-1
		74121	MS*	Model: MA-4-5 Setting: 10-4404-1
O-540-J	LVC-5-5PA	61C26048	AV*	Model: LVC-5-5PA Setting: AV 10-5054
		LW-10540	MS*	Model: MA-4-5 Setting: 10-5054
	LVC-5-5PA	61C26133	AV*	Model: LVC-5-5PA Setting: AV 10-4404
		72740	MS*	Model: MA-4-5 Setting: 10-4404
	LVC-5-5PA	61C26134	AV*	Model: LVC-5-5PA Setting: AV 10-4404-1
		74121	MS*	Model: MA-4-5 Setting: 10-4404-1
	LHC-6-6BPA	61E26378	AV*	Model: LHC-6-6BPA Setting: AV 10-5235
		LW-15960	MS*	Model: HA-6 Setting: 10-5235
O-540-L	LHC-6-6BA	61E26398	AV*	Model: LHC-6-6BA Setting: AV 10-6001
		LW-18987	MS*	Model: HA-6 Setting: 10-6001
* Manufacturer's Designations are as follows: AV = AVStar MS = Marvel-Schebler Carburetors, LLC				

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