

# LYCOMING

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# SERVICE LETTER

Service Letter No. L259  
January 23, 2014

TO: All owners and operators of Lycoming engine model O-360-A4M installed in Piper Archer III with AVStar carburetor model AV10-6102.

SUBJECT: Product Improvements on Lycoming Carburetor P/N 61C26051

### NOTE

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.

This Service Letter is notification of the following two product improvements by AVStar to carburetor model AV10-6102 (Lycoming P/N 61C26051). These product improvements have been incorporated into new O-360-A4M engines with Serial Numbers L-42322-36E and later and engines that were overhauled or rebuilt on or after November 13, 2013.

### Carburetor Bowl Change

A design change has been made to remove the sharp edge (Figure 1) and add a machined radius (Figure 2) to the billet machined carburetor bowl. The carburetor bowl design change is being made to accommodate engine installations.

### Idle Circuit Change

A modification was made to the idle mixture circuit. This modification will enhance performance in high ambient temperature combined with high inlet fuel temperature conditions. This change has no effect on off idle or full power performance of the carburetor.



Sharp Edge on "A" Version of Carburetor

Figure 1

Version A of Carburetor AV10-6102



Smooth Radius on "B" Version of Carburetor

Figure 2

Version B of Carburetor AV10-6102



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ISSUED			REVISED			PAGE NO.	REVISION
MO	DAY	YEAR	MO	DAY	YEAR		
01	23	14	--	--	--	1 of 2	----

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Carburetors with these improvements are identified by the letter “B” or greater in the I.C. (Internal Change) box on the carburetor data tag (Figure 3).



Figure 3  
Carburetor Data Tag

ISSUED			REVISED			PAGE NO.	REVISION	S.L. L259
MO	DAY	YEAR	MO	DAY	YEAR	2 of 2	--	
01	23	14	---	---	---			