



AVStar Fuel Systems, Inc.
1365 Park Lane South
Jupiter, FL 33458

FAA Repair Station V1RR580Y
www.avstardirect.com

MANDATORY SERVICE BULLETIN

LVC-5-5PA & LVC-5-5BPA AVSTAR CARBURETORS MANUFACTURED IN 2011

DOCUMENT: AFS-SB15

REVISION: 2

ISSUED: 1/8/19

PAGE: 1 OF 6

Service Bulletins are advisory documents. They are NOT issued or approved by the FAA.

1.0 APPLICABILITY

This Service Bulletin applies to the following AVStar manufactured carburetors: Models LVC-5-5PA & LVC-5-5BPA (formerly identified as MA-4-5®) * Part Numbers AV10-3878, AV10-4164-1, AV10-4404, AV10-4404-1, AV10-5054, AV10-5193, AV10-6035-11 & AV10-6054. Applicable AVStar carburetors were originally manufactured between January and September of 2011 and the applicable carburetors could have potentially been overhauled since this time frame. The records for all O-360 & O-540 engines should be reviewed to determine if the carburetor Serial Number is applicable. Refer to the latest revision of Lycoming Service Instruction 1523 for Engine Model Cross Reference ([SI 1523](#)). A thorough review of the Serial Numbers in Appendix B is required. In addition to the Serial Number verification, carburetors applicable to this bulletin are identified by a Bowl Part Number and Date Code engraved on the carburetor bowl, beneath the drain plug. Refer to Appendix C for further details.

2.0 REASON FOR PUBLICATION

For the identified applicable carburetor bowls, the internal bowl profile can potentially interfere with the float causing hang-ups, float damage, and in extreme circumstances float leakage. This can result in an overly rich condition, inconsistent fuel flow, and carburetor flooding which can potentially result in loss of engine power.

3.0 SAFETY FIRST - WARNING & NOTICE

Neglecting to follow this MANDATORY SERVICE BULLETIN and to comply with the instructions set forth in Section 4.0 can result in poor engine performance and possible loss of engine power. Proper service and repair are essential to increase the safe, reliable operation of all aircraft engines. The instructions provided and recommended by AVStar are essential methods for maintaining reliable engine operation.

Owners and operators must carefully read these instructions to minimize the risk of personal injury or damage to equipment and property, the intent of this Mandatory Service Bulletin is to minimize any potential risk of an unsafe operating condition.

It is important to understand this Warning is not all inclusive. AVStar cannot possibly know, evaluate or advise all conceivable ways in which the possible hazardous consequences that may be involved. Accordingly, anyone who reads this Bulletin must first satisfy themselves thoroughly that neither their safety nor aircraft safety will be jeopardized by the decision they select.



AVStar Fuel Systems, Inc.
1365 Park Lane South
Jupiter, FL 33458

FAA Repair Station V1RR580Y
www.avstardirect.com

MANDATORY SERVICE BULLETIN

LVC-5-5PA & LVC-5-5BPA AVSTAR CARBURETORS MANUFACTURED IN 2011

DOCUMENT: AFS-SB15

REVISION: 2

ISSUED: 1/8/19

PAGE: 2 OF 6

4.0 TIMING AND INSTRUCTIONS FOR COMPLIANCE

4.1 If the carburetor installed on the engine matches one of the serial numbers listed in Appendix B:

AND/OR

If the carburetor installed on the engine carries the combination of Bowl Part Number **and** Date Code listed in Appendix C:

4.1.1 Verify if the Carburetor Data Tag has "15" engraved in the I.C. field, if so the carburetor has already complied with this Service Bulletin and no further action is required. Owners should also ensure the return to service documentation (8130-3) includes compliance to this Service Bulletin AFS-SB15.

4.1.2 Notify AVStar Fuel Systems of the applicable carburetor which requires repair or replacement. Include the Carburetor Part Number and Serial Number. AVStar can be contacted through our email or by phone as shown below

[email: sb@avstardirect.com](mailto:sb@avstardirect.com)

Phone: 561-575-1560 Toll Free: 866-982-7287

4.1.3 If any of the symptoms described in Section 2.0 (overly rich condition, inconsistent fuel flow, or signs of carburetor flooding) AVStar recommends the immediate removal from service of the carburetor in accordance with the applicable engine and/or airframe maintenance manual.

4.1.4 If no indications described in Section 2.0 have been experienced, AVStar recommends the removal of the carburetor in accordance with the applicable engine and/or airframe maintenance manual at the next scheduled maintenance event, not to exceed the next 100 hours of engine operation.

4.1.5 Drain all fuel from the carburetor and place the carburetor in a sealed bag and package for shipment. Complete the Warranty Claim Form, Attachment A, and return the carburetor to AVStar Fuel Systems.



AVStar Fuel Systems, Inc.
1365 Park Lane South
Jupiter, FL 33458

FAA Repair Station V1RR580Y
www.avstardirect.com

MANDATORY SERVICE BULLETIN

DOCUMENT: AFS-SB15

REVISION: 2

LVC-5-5PA & LVC-5-5BPA AVSTAR CARBURETORS MANUFACTURED IN 2011

ISSUED: 1/8/19

PAGE: 3 OF 6

5.0 WARRANTY PART REPLACEMENT / REPAIR PROCEDURES

Affected units must be returned directly to AVStar for repair or replacement at AVStar's discretion upon validation and approval of Claim Form and the assignment of the Return Material Authorization (RMA) number (See Claim Process below).

AVStar will offer a **complimentary overhaul** to the returned affected unit. No other claims for financial compensation will be reimbursed. This complimentary overhaul is only extended for a period of 12 months from the initial issue date of this Service Bulletin. Any future claims beyond this 12-month period will be at the discretion of AVStar. If an owner decides to send an affected unit to an AVStar authorized service center appropriate overhaul and repair charges and terms & conditions of that service center will apply.

Return of any unit to AVStar shall be prepaid by the sender. The product will be returned to the sender at AVStar's expense.

The owner of the carburetor reserves the right to have the carburetor repaired by any repair station which has the approved capability to service AVStar carburetors or by an appropriately rated A&P mechanic. Should this method be preferred, compliance with this Service Bulletin requires replacement of the applicable Carburetor Bowl in accordance with AVStar's Overhaul & Repair Manual and engraving "15" onto the I.C. field of the Data Tag.

If the owner elects to have the carburetor repaired by anyone other than AVStar or one of its approved service centers, AVStar requires a copy of the Return to Service Tag for our records to be in full compliance with this Service Bulletin.

CLAIM PROCESS For AVStar:

1. Complete Claim Form (see Attachment A)
2. Submit to-

AVStar Fuel Systems, Inc.
1365 Park Lane South
Jupiter, FL 33458
Tel: (561) 575-1560
Fax: (561) 575-0795
Email: sb@avstardirect.com

3. Return the affected unit with the assigned RMA. The unit must be returned according to the packing and shipping instructions in the provided RMA form. No warranty consideration will be made until the customer has complied with the above claim process. All other terms and conditions of AVStar's Limited Warranty Policy shall apply.

6.0 ATTACHMENTS

- A. Attachment A, Claim Form
- B. Appendix B, Applicable Serial Numbers
- C. Appendix C, Applicable Carburetor Bowl Part Numbers and Date Codes



AVStar Fuel Systems, Inc.
1365 Park Lane South
Jupiter, FL 33458

FAA Repair Station V1RR580Y
www.avstardirect.com

MANDATORY SERVICE BULLETIN

LVC-5-5PA & LVC-5-5BPA AVSTAR CARBURETORS MANUFACTURED IN 2011

DOCUMENT: AFS-SB15

REVISION: 2

ISSUED: 1/8/19

PAGE: 4 OF 6

Attachment A

Claim Form

AVSTAR FUEL SYSTEMS, INC.
1365 PARK LANE SOUTH
JUPITER, FL 33458
(561)575-1560 FAX (561)575-0795
sb@avstardirect.com
www.avstardirect.com

Customer Information:

Customer Name: _____

Company Name: _____

Address: _____

City: _____ State: _____ Country: _____

Tel No: _____ Fax No: _____ email: _____

Aircraft Information:

Make: _____ Model: _____ Year: _____

Total Time: _____ "N" Number: _____ Engine Model: _____

Total Time on Engine: _____ Aircraft Use: Personal ___ Business ___

Unit Information:

Part Number: _____ Serial Number: _____

Date Installed: _____ Hours in Service: _____

Date Removed: _____

Last overhaul/repair performed by: _____ (if still factory new write AVStar)

INSTRUCTIONS

Complete ALL INFORMATION on this form and return by fax to (561)575-0795 or email:
sb@avstardirect.com to receive a return material authorization (RMA) form to include in the box with
returned unit.

A RETURN MATERIAL AUTHORIZATION FORM WILL NOT BE PROVIDED UNTIL ALL INFORMATION IS RECEIVED AND VERIFIED. AFTER RECEIPT OF THE RETURN MATERIAL AUTHORIZATION FORM, THE AFFECTED UNIT SHALL BE RETURNED BY FOLLOWING THE PACKAGING AND SHIPPING INSTRUCTIONS STATED ON THE RETURN MATERIAL AUTHORIZATION FORM.



AVStar Fuel Systems, Inc.
1365 Park Lane South
Jupiter, FL 33458

FAA Repair Station V1RR580Y
www.avstardirect.com

MANDATORY SERVICE BULLETIN

LVC-5-5PA & LVC-5-5BPA AVSTAR CARBURETORS MANUFACTURED IN 2011

DOCUMENT: AFS-SB15

REVISION: 2

ISSUED: 1/8/19

PAGE: 5 OF 6

APPENDIX B – Applicable Serial Numbers

APPLICABLE SERIAL NUMBERS			
AV112741129	AV11274496	AV11274647	AV11274721
AV112741130	AV11274505	AV11274648	AV11274722
AV112741131	AV11274506	AV11274649	AV11274723
AV112741132	AV11274513	AV11274650	AV11274724
AV112741133	AV11274514	AV11274651	AV11274725
AV11274388	AV11274515	AV11274652	AV11274727
AV11274394	AV11274530	AV11274653	AV11274728
AV11274395	AV11274531	AV11274654	AV11274729
AV11274396	AV11274542	AV11274655	AV11274756
AV11274407	AV11274543	AV11274656	AV11274757
AV11274408	AV11274544	AV11274657	AV11274758
AV11274409	AV11274552	AV11274661	AV11274766
AV11274412	AV11274553	AV11274662	AV11274767
AV11274413	AV11274554	AV11274664	AV11274768
AV11274414	AV11274559	AV11274665	AV11274769
AV11274424	AV11274560	AV11274666	AV11274789
AV11274425	AV11274561	AV11274667	AV11274790
AV11274426	AV11274562	AV11274668	AV11274821
AV11274430	AV11274563	AV11274669	AV11274822
AV11274431	AV11274564	AV11274673	AV11274823
AV11274443	AV11274566	AV11274676	AV11274824
AV11274444	AV11274567	AV11274677	AV11274825
AV11274445	AV11274571	AV11274678	AV11274831
AV11274446	AV11274572	AV11274679	AV11274832
AV11274448	AV11274573	AV11274680	AV11274833
AV11274449	AV11274574	AV11274681	AV11274882
AV11274450	AV11274580	AV11274686	AV11274883
AV11274451	AV11274584	AV11274687	AV11274884
AV11274452	AV11274593	AV11274688	AV11274885
AV11274461	AV11274594	AV11274689	AV11274902
AV11274462	AV11274595	AV11274690	AV11274903
AV11274463	AV11274596	AV11274691	AV11274904
AV11274464	AV11274598	AV11274692	AV11274963
AV11274465	AV11274599	AV11274693	AV11274964
AV11274466	AV11274600	AV11274694	AV11274965
AV11274467	AV11274601	AV11274695	AV11274966
AV11274468	AV11274602	AV11274696	AV11274967
AV11274469	AV11274603	AV11274697	AV125541
AV11274471	AV11274604	AV11274714	AV131621
AV11274472	AV11274605	AV11274715	AV131622
AV11274473	AV11274608	AV11274716	AV132811
AV11274486	AV11274628	AV11274717	AV135791
AV11274487	AV11274629	AV11274718	AV138101
AV11274491	AV11274631	AV11274719	AV139561
AV11274495	AV11274632	AV11274720	AV140601



AVStar Fuel Systems, Inc.
1365 Park Lane South
Jupiter, FL 33458

FAA Repair Station V1RR580Y
www.avstardirect.com

MANDATORY SERVICE BULLETIN

DOCUMENT: AFS-SB15

REVISION: 2

LVC-5-5PA & LVC-5-5BPA AVSTAR CARBURETORS MANUFACTURED IN 2011

ISSUED: 1/8/19

PAGE: 6 OF 6

APPENDIX C – Applicable Carburetor Bowl Part Numbers and Date Codes

APPLICABLE BOWL PART NUMBERS	APPLICABLE DATE CODES
AV10-A26M	12-10
AV10-B51M	01-11
AV10-B138M	02-11
	03-11
	04-11
	05-11
	06-11
	07-11

Applicable carburetors must have both the Carburetor Bowl Part Number AND any one of the Date Codes listed above.

See examples below

