



U.S. Department
of Transportation

*Federal Aviation
Administration*

Aircraft Certification Service
System Oversight Division
Atlanta MIDO Section
1701 Columbia Avenue
College Park, GA 30337

May 15, 2019

PQ4020CE

Mr. Tim Henderson, President
Marvel Schebler Aircraft Carburetors, LLC
2208 Air Park Drive
Burlington, NC, 27215

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Dear Mr. Henderson:

In accordance with the e-mail from the ACO dated March 7, 2019, advising this office of a "address change" from 125 Piedmont Ave, Gibsonville, NC 27249 to 2208 Air Park Drive, Burlington, NC 27215, we find that Marvel Schebler Aircraft Carburetors, LLC In accordance with Title 14, Code of Federal Regulations (14 CFR) part 21, Certification Procedures for Products and Articles, subpart K, the FAA has established the quality system required by § 21.307 at 2208 Air Park Drive, NC 27215. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted to the Manufacturer to produce the replacement articles (or modification articles, as applicable) listed in Marvel Schebler Aircraft Carburetors, LLC, Supplements 1-8 (Originally issued to the 125 Piedmont Ave., Gibsonville, NC 27249 address) in conformity with the FAA-approved design data. Any subsequent changes to these design data must be approved in a manner acceptable to the FAA.

The following terms and conditions apply to this approval:

1. The Manufacturer's quality system, methods, procedures, and manufacturing facilities, including suppliers, are subject to FAA surveillance and investigations. Accordingly, the Manufacturer must advise its suppliers that their facilities are also subject to FAA surveillance and investigations.
2. The Manufacturer must obtain approval from the Atlanta Manufacturing Inspection District Office (AIR-892) (MIDO) Section prior to relocating or expanding manufacturing facilities at which articles are produced. This includes the addition of associate facilities. Additionally, this requirement applies to the Manufacturer's suppliers with major inspection authorization, and those suppliers who furnish articles or related services where a determination of safety and conformance to the approved design cannot or will not be made upon receipt at the approved receiving facility.
3. Upon request, the Manufacturer must make available to the FAA any pertinent information concerning its suppliers who furnish parts/services. This includes:
 - a. A description of the part or service,
 - b. Where and by whom the part or service will undergo inspection;



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**Federal Aviation
Administration**

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
Atlanta Manufacturing Inspection District Office
1701 Columbia Avenue
College Park, Georgia 30337

December 5, 2016

PMA NO. PQ4020CE

Marvel Schebler Aircraft Carburetors, LLC
125 Piedmont Avenue
Gibsonville, NC 27249

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, based on Test and Computations submitted by **Marvel Schebler Aircraft Carburetors, LLC**, with your letter dated November 26, 2016, meets the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that **Marvel Schebler Aircraft Carburetors, LLC**, has established a quality system that meets the requirements of § 21.137 at 125 Piedmont Avenue, Gibsonville, NC 27249. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 5.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated October 20, 2008, also apply to the enclosed PMA Listing-Supplement No. 5. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

Jim Hall
Acting Manager, Atlanta Manufacturing
Inspection District Office

Enclosure:
PMA Listing-Supplement No. 5

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FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Marvel-Schebler Aircraft Carburetors, LLC
125 Piedmont Avenue
Gibsonville, NC 27249

PMA NO.: PQ4020CE
SUPPLEMENT NO.: 5
DATE: December 7, 2016

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Carburetor (MA-4-5 type)	10-3859-1	Teledyne Continental Motors Part No. 538872	Test and Computation per 14 CFR § 21.303 <u>Dwg. No:</u> 10-3859-1 <u>Rev:</u> 56 <u>Date:</u> 09/02/2008 or later FAA–approved revisions.	Teledyne Continental Motors	Any Teledyne Continental Motors O-470 series where P/N 538872 is installed.
Carburetor (MA-4-5 type)	10-4893-1	Teledyne Continental Motors Part No. 641139	Test and Computation per 14 CFR § 21.303 <u>Dwg. No:</u> 10-4893-1 <u>Rev:</u> 11 <u>Date:</u> 09/02/2008 or later FAA–approved revisions.	Teledyne Continental Motors	Any Teledyne Continental Motors O-470 series where P/N 641139 is installed.
Carburetor (MA-3SPA type)	10-4894-1	Teledyne Continental Motors Part No. 633028	Test and Computation per 14 CFR § 21.303 <u>Dwg. No:</u> 10-4894-1 <u>Rev:</u> E <u>Date:</u> 09/02/2008 or later FAA–approved revisions.	Teledyne Continental Motors	Any Teledyne Continental Motors O-200 series where P/N 633028 is installed.
Carburetor (MA-3SPA type)	10-5128	Teledyne Continental Motors Part No. 640416	Test and Computation per 14 CFR § 21.303 <u>Dwg. No:</u> 10-5128 <u>Rev:</u> 12 <u>Date:</u> 09/02/2008 or later FAA–approved revisions.	Teledyne Continental Motors	Any Teledyne Continental Motors O-200 series where P/N 640416 is installed.
Carburetor (MA-4-5 type)	10-5284	Teledyne Continental Motors Part No. 646232	Test and Computation per 14 CFR § 21.303 <u>Dwg. No:</u> 10-5284 <u>Rev:</u> 5 <u>Date:</u> 09/02/2008 or later FAA–approved revisions.	Teledyne Continental Motors	Any Teledyne Continental Motors O-470 series where P/N 646232 is installed.

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FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURING APPROVAL

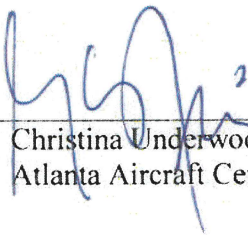
Marvel-Schebler Aircraft Carburetors, LLC
125 Piedmont Avenue
Gibsonville, NC 27249

PMA NO. PQ4020CF
SUPPLEMENT NO. 5
DATE: December 7, 2016

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.



Christina Underwood, Manager,
Atlanta Aircraft Certification Office



Jim Hall, Acting Manager
Atlanta Manufacturing Inspection
District Office

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