



U.S. Department
of Transportation
**Federal Aviation
Administration**

Aviation Safety

10101 Hillwood Parkway
Fort Worth, Texas 76177

February 26, 2021

Darryl Harlos
Quality Director
Superior Air Parts, Inc.
621 S. Royal Lane
Coppell, TX 75019

FEDERAL AVIATION ADMINISTRATION (FAA)-PARTS MANUFACTURER APPROVAL

Dear Mr. Harlos:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR) part 21, Certification Procedures for Products and Articles, subpart K, the FAA has found that the design data, based on Test and Computation and submitted by Superior Air Parts, Inc., with your letter dated September 30, 2020, meet the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Superior Air Parts, Inc., has established the quality system required by § 21.307 at 621 S. Royal Lane, Coppell, TX 75019. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 307.

You are reminded that the provisions of 14 CFR parts 21 and 45, noted in our PMA letter of approval dated July 09, 2012, also apply to the enclosed PMA Listing-Supplement No. 307. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

Digitally signed
GREGORY M ROSENBERG
ROSENBERG
Date: 2021.02.26
13:21:58 -06'00'

for Carlton N. Cochran
Aviation Safety
Manager, Fort Worth MIDO Section, AIR-882

Enclosure
PMA Listing-Supplement No. 307



U.S. Department
of Transportation
**Federal Aviation
Administration**

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

SUPERIOR AIR PARTS, INC.
621 S. Royal Lane, Suite # 100
Coppell, TX 75019-3805

PMA NO. PQ0060SW
SUPPLEMENT NO. 307
DATE: February 26, 2021

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Bushing, Prop Flange, Long	SL18815 P005	LW-18815 P05	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18815, <u>Rev:</u> B <u>Date:</u> 11/07/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A1A, -A1B, -A3A, -A3B, -A3C, -B1A, -B1B, -B3A, -B3B, -B3C, -D1A, -D1C, -D1D, -D1F, -D2F, -D2G, -D2J, -E1A, -E1C, -E1F, -E1J, -E2D, -E2F, -E2G, -E2H, -H1AD, -H2AD AEIO-320-D1B, -D2B, -E1A, -E1B AIO-320-A1B, -B1B, -C1B IO-320-B1A, -B1C, -B1D, -B2A, -C1A, -D1A, -D1B, -E1A, -E1B, -F1A LIO-320-B1A, -C1A, -D1A
Bushing, Prop Flange, Long	SL18815 P010	LW-18815 P10	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18815, <u>Rev:</u> B <u>Date:</u> 11/07/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A1A, -A1B, -A3A, -A3B, -A3C, -B1A, -B1B, -B3A, -B3B, -B3C, -D1A, -D1C, -D1D, -D1F, -D2F, -D2G, -D2J, -E1A, -E1C, -E1F, -E1J, -E2D, -E2F, -E2G, -E2H, -H1AD, -H2AD AEIO-320-D1B, -D2B, -E1A, -E1B AIO-320-A1B, -B1B, -C1B IO-320-B1A, -B1C, -B1D, -B2A, -C1A, -D1A, -D1B, -E1A, -E1B, -F1A LIO-320-B1A, -C1A, -D1A
Bushing, Prop Flange, Long	SL18815 P015	LW-18815 P15	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18815, <u>Rev:</u> B <u>Date:</u> 11/07/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A1A, -A1B, -A3A, -A3B, -A3C, -B1A, -B1B, -B3A, -B3B, -B3C, -D1A, -D1C, -D1D, -D1F, -D2F, -D2G, -D2J, -E1A, -E1C, -E1F, -E1J, -E2D, -E2F, -E2G, -E2H, -H1AD, -H2AD AEIO-320-D1B, -D2B, -E1A, -E1B AIO-320-A1B, -B1B, -C1B IO-320-B1A, -B1C, -B1D, -B2A, -C1A, -D1A, -D1B, -E1A, -E1B, -F1A LIO-320-B1A, -C1A, -D1A
Bushing, Prop Flange, Long	SL18815 P020	LW-18815 P20	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18815, <u>Rev:</u> B <u>Date:</u> 11/07/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A1A, -A1B, -A3A, -A3B, -A3C, -B1A, -B1B, -B3A, -B3B, -B3C, -D1A, -D1C, -D1D, -D1F, -D2F, -D2G, -D2J, -E1A, -E1C, -E1F, -E1J, -E2D, -E2F, -E2G, -E2H, -H1AD, -H2AD AEIO-320-D1B, -D2B, -E1A, -E1B AIO-320-A1B, -B1B, -C1B IO-320-B1A, -B1C, -B1D, -B2A, -C1A, -D1A, -D1B, -E1A, -E1B, -F1A LIO-320-B1A, -C1A, -D1A

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

SUPERIOR AIR PARTS, INC.
621 S. Royal Lane, Suite # 100
Coppell, TX 75019-3805

PMA NO. _____ PQ0060SW
SUPPLEMENT NO. _____ 307
DATE: _____ February 26, 2021

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Bushing, Prop Flange, Short	SL18816 P005	LW-18816 P05	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18816, <u>Rev:</u> B <u>Date:</u> 11/10/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A1A, -A1B, -A3A, -A3B, -A3C, -B1A, -B1B, -B3A, -B3B, -B3C, -D1A, -D1C, -D1D, -D1F, -E1A, -E1C, -E1F, -E1J, -H1AD, -H2AD AEIO-320-D1B, -E1A, -E1B AIO-320-A1B, -B1B, -C1B IO-320-B1A, -B1C, -B1D, -C1A, -D1A, -D1B, -E1A, -E1B, -F1A LIO-320-B1A, -C1A, -D1A
Bushing, Prop Flange, Short	SL18816 P010	LW-18816 P10	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18816, <u>Rev:</u> B <u>Date:</u> 11/10/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A1A, -A1B, -A3A, -A3B, -A3C, -B1A, -B1B, -B3A, -B3B, -B3C, -D1A, -D1C, -D1D, -D1F, -E1A, -E1C, -E1F, -E1J, -H1AD, -H2AD AEIO-320-D1B, -E1A, -E1B AIO-320-A1B, -B1B, -C1B IO-320-B1A, -B1C, -B1D, -C1A, -D1A, -D1B, -E1A, -E1B, -F1A LIO-320-B1A, -C1A, -D1A
Bushing, Prop Flange, Short	SL18816 P015	LW-18816 P15	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18816, <u>Rev:</u> B <u>Date:</u> 11/10/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A1A, -A1B, -A3A, -A3B, -A3C, -B1A, -B1B, -B3A, -B3B, -B3C, -D1A, -D1C, -D1D, -D1F, -E1A, -E1C, -E1F, -E1J, -H1AD, -H2AD AEIO-320-D1B, -E1A, -E1B AIO-320-A1B, -B1B, -C1B IO-320-B1A, -B1C, -B1D, -C1A, -D1A, -D1B, -E1A, -E1B, -F1A LIO-320-B1A, -C1A, -D1A
Bushing, Prop Flange, Short	SL18816 P020	LW-18816 P20	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18816, <u>Rev:</u> B <u>Date:</u> 11/10/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A1A, -A1B, -A3A, -A3B, -A3C, -B1A, -B1B, -B3A, -B3B, -B3C, -D1A, -D1C, -D1D, -D1F, -E1A, -E1C, -E1F, -E1J, -H1AD, -H2AD AEIO-320-D1B, -E1A, -E1B AIO-320-A1B, -B1B, -C1B IO-320-B1A, -B1C, -B1D, -C1A, -D1A, -D1B, -E1A, -E1B, -F1A LIO-320-B1A, -C1A, -D1A
Bushing, Prop Flange, Long	SL18817 P005	LW-18817 P05	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18817, <u>Rev:</u> B <u>Date:</u> 11/10/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A1A, -A1B, -A3A, -A3B, -A3C, -B1A, -B1B, -B3A, -B3B, -B3C, -D1A, -D1C, -D1D, -D1F, -D2F, -D2G, -D2J, -E1A, -E1C, -E1F, -E1J, -E2D, -E2F, -E2G, -E2H, -H1AD, -H2AD AEIO-320-D1B, -D2B, -E1A, -E1B AIO-320-A1B, -B1B, -C1B IO-320-B1A, -B1C, -B1D, -B2A, -C1A, -D1A, -D1B, -E1A, -E1B, -F1A LIO-320-B1A, -C1A, -D1A

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

SUPERIOR AIR PARTS, INC.
621 S. Royal Lane, Suite # 100
Coppell, TX 75019-3805

PMA NO. PQ0060SW
SUPPLEMENT NO. 307
DATE: February 26, 2021

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Bushing, Prop Flange, Long	SL18817 P010	LW-18817 P10	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18817, <u>Rev:</u> B <u>Date:</u> 11/10/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A1A, -A1B, -A3A, -A3B, -A3C, -B1A, -B1B, -B3A, -B3B, -B3C, -D1A, -D1C, -D1D, -D1F, -D2F, -D2G, -D2J, -E1A, -E1C, -E1F, -E1J, -E2D, -E2F, -E2G, -E2H, -H1AD, -H2AD AEIO-320-D1B, -D2B, -E1A, -E1B AIO-320-A1B, -B1B, -C1B IO-320-B1A, -B1C, -B1D, -B2A, -C1A, -D1A, -D1B, -E1A, -E1B, -F1A LIO-320-B1A, -C1A, -D1A
Bushing, Prop Flange, Long	SL18817 P015	LW-18817 P15	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18817, <u>Rev:</u> B <u>Date:</u> 11/10/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A1A, -A1B, -A3A, -A3B, -A3C, -B1A, -B1B, -B3A, -B3B, -B3C, -D1A, -D1C, -D1D, -D1F, -D2F, -D2G, -D2J, -E1A, -E1C, -E1F, -E1J, -E2D, -E2F, -E2G, -E2H, -H1AD, -H2AD AEIO-320-D1B, -D2B, -E1A, -E1B AIO-320-A1B, -B1B, -C1B IO-320-B1A, -B1C, -B1D, -B2A, -C1A, -D1A, -D1B, -E1A, -E1B, -F1A LIO-320-B1A, -C1A, -D1A
Bushing, Prop Flange, Long	SL18817 P020	LW-18817 P20	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18817, <u>Rev:</u> B <u>Date:</u> 11/10/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A1A, -A1B, -A3A, -A3B, -A3C, -B1A, -B1B, -B3A, -B3B, -B3C, -D1A, -D1C, -D1D, -D1F, -D2F, -D2G, -D2J, -E1A, -E1C, -E1F, -E1J, -E2D, -E2F, -E2G, -E2H, -H1AD, -H2AD AEIO-320-D1B, -D2B, -E1A, -E1B AIO-320-A1B, -B1B, -C1B IO-320-B1A, -B1C, -B1D, -B2A, -C1A, -D1A, -D1B, -E1A, -E1B, -F1A LIO-320-B1A, -C1A, -D1A
Bushing, Prop Flange, Indexing	SL18818 P005	LW-18818 P05	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18818, <u>Rev:</u> D <u>Date:</u> 04/05/2010 or later FAA-approved revisions	Lycoming Engines	O-360-A3A, -A3AD, -A4A AEIO-360-B2F, -B4A IO-360-B2F, -B4A
Bushing, Prop Flange, Indexing	SL18818 P010	LW-18818 P10	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18818, <u>Rev:</u> D <u>Date:</u> 04/05/2010 or later FAA-approved revisions	Lycoming Engines	O-360-A3A, -A3AD, -A4A AEIO-360-B2F, -B4A IO-360-B2F, -B4A

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Bushing, Prop Flange, Indexing	SL18818 P015	LW-18818 P15	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18818, <u>Rev:</u> D <u>Date:</u> 04/05/2010 or later FAA-approved revisions	Lycoming Engines	O-360-A3A, -A3AD, -A4A AEIO-360-B2F, -B4A IO-360-B2F, -B4A
Bushing, Prop Flange, Indexing	SL18818 P020	LW-18818 P20	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18818, <u>Rev:</u> D <u>Date:</u> 04/05/2010 or later FAA-approved revisions	Lycoming Engines	O-360-A3A, -A3AD, -A4A AEIO-360-B2F, -B4A IO-360-B2F, -B4A
Bushing, Prop Flange, Long	SL18819 P005	LW-18819 P05	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18819, <u>Rev:</u> D <u>Date:</u> 11/21/2008 or later FAA-approved revisions	Lycoming Engines	O-360-A3A, -A3AD, -A4A AEIO-360-B2F, -B4A IO-360-B2F, -B4A
Bushing, Prop Flange, Long	SL18819 P010	LW-18819 P10	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18819, <u>Rev:</u> D <u>Date:</u> 11/21/2008 or later FAA-approved revisions	Lycoming Engines	O-360-A3A, -A3AD, -A4A AEIO-360-B2F, -B4A IO-360-B2F, -B4A
Bushing, Prop Flange, Long	SL18819 P015	LW-18819 P15	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18819, <u>Rev:</u> D <u>Date:</u> 11/21/2008 or later FAA-approved revisions	Lycoming Engines	O-360-A3A, -A3AD, -A4A AEIO-360-B2F, -B4A IO-360-B2F, -B4A
Bushing, Prop Flange, Long	SL18819 P020	LW-18819 P20	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18819, <u>Rev:</u> D <u>Date:</u> 11/21/2008 or later FAA-approved revisions	Lycoming Engines	O-360-A3A, -A3AD, -A4A AEIO-360-B2F, -B4A IO-360-B2F, -B4A
Bushing, Prop Flange, Long	SL18921 P005	LW-18921 P05	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18921, <u>Rev:</u> A <u>Date:</u> 03/06/2003 or later FAA-approved revisions	Lycoming Engines	O-320-A2A, -A2B, -A2C, -A2D, -B2A, -B2B, -B2C, -D2A, -D2B, -D2C, -D3G, -E2A, -E2B, -E2C, -E3D, -E3H AEIO-320-E2A, -E2B IO-320-E2A, -E2B

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Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Bushing, Prop Flange, Long	SL18921 P010	LW-18921 P10	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18921, <u>Rev:</u> A <u>Date:</u> 03/06/2003 or later FAA-approved revisions	Lycoming Engines	O-320-A2A, -A2B, -A2C, -A2D, -B2A, -B2B, -B2C, -D2A, -D2B, -D2C, -D3G, -E2A, -E2B, -E2C, -E3D, -E3H AEIO-320-E2A, -E2B IO-320-E2A, -E2B
Bushing, Prop Flange, Long	SL18921 P015	LW-18921 P15	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18921, <u>Rev:</u> A <u>Date:</u> 03/06/2003 or later FAA-approved revisions	Lycoming Engines	O-320-A2A, -A2B, -A2C, -A2D, -B2A, -B2B, -B2C, -D2A, -D2B, -D2C, -D3G, -E2A, -E2B, -E2C, -E3D, -E3H AEIO-320-E2A, -E2B IO-320-E2A, -E2B
Bushing, Prop Flange, Long	SL18921 P020	LW-18921 P20	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18921, <u>Rev:</u> A <u>Date:</u> 03/06/2003 or later FAA-approved revisions	Lycoming Engines	O-320-A2A, -A2B, -A2C, -A2D, -B2A, -B2B, -B2C, -D2A, -D2B, -D2C, -D3G, -E2A, -E2B, -E2C, -E3D, -E3H AEIO-320-E2A, -E2B IO-320-E2A, -E2B
Bushing, Prop Flange, Long	SL18922 P005	LW-18922 P05	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18922, <u>Rev:</u> B <u>Date:</u> 11/04/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A2A, -A2B, -A2C, -A2D, -B2A, -B2B, -B2C, -D2A, -D2B, -D2C, -D3G, -E2A, -E2B, -E2C, -E3D, -E3H AEIO-320-E2A, -E2B IO-320-E2A, -E2B
Bushing, Prop Flange, Long	SL18922 P010	LW-18922P10	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18922, <u>Rev:</u> B <u>Date:</u> 11/04/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A2A, -A2B, -A2C, -A2D, -B2A, -B2B, -B2C, -D2A, -D2B, -D2C, -D3G, -E2A, -E2B, -E2C, -E3D, -E3H AEIO-320-E2A, -E2B IO-320-E2A, -E2B
Bushing, Prop Flange, Long	SL18922 P015	LW-18922 P15	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18922, <u>Rev:</u> B <u>Date:</u> 11/04/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A2A, -A2B, -A2C, -A2D, -B2A, -B2B, -B2C, -D2A, -D2B, -D2C, -D3G, -E2A, -E2B, -E2C, -E3D, -E3H AEIO-320-E2A, -E2B IO-320-E2A, -E2B
Bushing, Prop Flange, Long	SL18922 P020	LW-18922 P20	Test and Computations per 14 CFR § 21.303, <u>DWG. No:</u> SL18922, <u>Rev:</u> B <u>Date:</u> 11/04/2008 or later FAA-approved revisions	Lycoming Engines	O-320-A2A, -A2B, -A2C, -A2D, -B2A, -B2B, -B2C, -D2A, -D2B, -D2C, -D3G, -E2A, -E2B, -E2C, -E3D, -E3H AEIO-320-E2A, -E2B IO-320-E2A, -E2B

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SUPERIOR AIR PARTS, INC.
621 S. Royal Lane, Suite # 100
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PMA NO. _____ PQ0060SW
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Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
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----- END OF DATA -----

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.

Digitally signed by
GREGORY M
ROSENBERG
Date: 2021.02.26
13:25:35 -06'00'

for Jim Grigg
Manager, Fort Worth ACO Branch
Compliance & Airworthiness Division
Aircraft Certification Service

Digitally signed by
GREGORY M
ROSENBERG
Date: 2021.02.26
13:26:02 -06'00'

for Carlton N. Cochran
Aviation Safety
Manager, Fort Worth MIDO Section, AIR-882