



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

Southwest Region
Arkansas, Louisiana,
New Mexico, Oklahoma,
Texas

Manufacturing Inspection District Office
2601 Meacham Blvd., SW MIDO-42
Fort Worth, Texas 76137

April 13, 2011

Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, Texas 75019

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 Superior Air Parts, Inc., with your letter dated March 9, 2011 (FAAL-1366) meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that Superior Air Parts, Inc., has established the fabrication inspection system required by § 21.303(h) at 621 S. Royal Lane, Suite 100, Coppell, Texas 75019. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 189, revision 1. Supplement No. 189, revision 1, dated April 13, 2011, updates Supplement No. 189 dated January 19, 2006. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement No. 189. Supplement No. 189 remains in effect.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated March 30, 2006, also apply to the enclosed PMA Listing-Supplement No. 189, revision 1. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

A handwritten signature in blue ink that reads "Carlton N. Cochran". The signature is fluid and cursive, with a long horizontal stroke at the end.

Carlton N. Cochran
Manager, Fort Worth Manufacturing Inspection District Office
SW MIDO-42

Enclosure
PMA Supplement No. 189, revision 1



U.S. Department
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**Federal Aviation
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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. 189
REVISION 1
DATE April 14, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Prop Flange, Long	SL18815	LW18815	Test and Computations per 14CFR § 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 -H2AD -H1AD 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 P05	LW18815 P05	Test and Computations per 14CFR § 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 -H2AD -H1AD 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 P10	LW18815 P10	Test and Computations per 14CFR § 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 -H2AD -H1AD 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

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Prop Flange, Long	SL18815 P15	LW18815 P15	Test and Computations per 14CFR § 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 -H2AD -H1AD 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 P20	LW18815 P20	Test and Computations per 14CFR § 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 -H2AD -H1AD 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 Short	SL18816	LW18816	Test and Computations per 14CFR § 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, -H2AD -H1AD 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 P05	LW18816 P05	Test and Computations per 14CFR § 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, -H2AD -H1AD 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

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Prop Flange Short	SL18816 P10	LW18816 P10	Test and Computations per 14CFR § 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, -H2AD -H1AD 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 P15	LW18816 P15	Test and Computations per 14CFR § 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, -H2AD -H1AD 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 P20	LW18816 P20	Test and Computations per 14CFR § 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, -H2AD -H1AD 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	LW18817	Test and Computations per 14CFR § 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, -H2AD, -H1AD 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

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Prop Flange Long	SL18817 P05	LW18817 P05	Test and Computations per 14CFR § 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, -H2AD, -H1AD 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 P10	LW18817 P10	Test and Computations per 14CFR § 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, -H2AD, -H1AD 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 P15	LW18817 P15	Test and Computations per 14CFR § 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, -H2AD, -H1AD 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 P20	LW18817 P20	Test and Computations per 14CFR § 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, -H2AD, -H1AD 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

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SUPPLEMENT NO. 189
REVISION 1
DATE April 14, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Prop Flange Indexing	SL18818	LW18818	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL18818, <u>Rev:</u> D Date: 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-P05	LW18818 P05	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL18818, <u>Rev:</u> D Date: 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-P10	LW18818 P10	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL18818, <u>Rev:</u> D Date: 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-P15	LW18818 P15	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL18818, <u>Rev:</u> D Date: 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-P20	LW18818 P20	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL18818, <u>Rev:</u> D Date: 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	LW18819	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL18819, <u>Rev:</u> D Date: 11/21/2008 or later FAA-approved revisions	Lycoming Engines	O-360-A3A, -A3AD, -A4A AEIO-360-B2F, -B4A IO-360-B2F, -B4A

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Prop Flange Long	SL18819-P05	LW18819 P05	Test and Computations per 14CFR § 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-P10	LW18819 P10	Test and Computations per 14CFR § 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-P15	LW18819 P15	Test and Computations per 14CFR § 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-P20	LW18819 P20	Test and Computations per 14CFR § 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	LW18921	Test and Computations per 14CFR § 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 P05	LW18921 P05	Test and Computations per 14CFR § 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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Bushing, Prop Flange Long	SL18921 P10	LW18921 P10	Test and Computations per 14CFR § 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 P15	LW18921 P15	Test and Computations per 14CFR § 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 P20	LW18921 P20	Test and Computations per 14CFR § 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	LW18922	Test and Computations per 14CFR § 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 P05	LW18922 P05	Test and Computations per 14CFR § 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 P10	LW18922 P10	Test and Computations per 14CFR § 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

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. 189
REVISION 1
DATE April 14, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Prop Flange Long	SL18922 P15	LW18922 P15	Test and Computations per 14CFR § 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 P20	LW18922 P20	Test and Computations per 14CFR § 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

-----End of Listing-----

NOTE:

- 1) Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.
- 2) The FAA approved ICA for the above parts with their designs. These ICA may refer to those of the respective parts from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement parts. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.
- 3) Supplement 189, revision 1, dated April 14, 2011, updates Supplement 189, dated January 19, 2006. The purpose of the revision is to include over-sized parts, not previously listed on Supplement 189. Supplement 189 remains in effect.



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ASW-190



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SW MIDO-42