



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, TX 76137

MAR 24 2015

Mr. Bill Huang
Engineer
Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, Texas 75019-3877

FEDERAL AVIATION ADMINISTRATION (FAA)-PARTS MANUFACTURER APPROVAL

Dear Mr. Huang:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR) part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the FAA has found that the design data, based on test and computations, and submitted by Superior Air Parts, Inc., with your letter (FAAL-1642) dated January 28, 2015, 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, Suite 100, Coppell, Texas 75019-3877. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 190, revision 3. All previous revisions issued remain in effect.

You are reminded that the provisions of 14 CFR parts 21 and 45, noted in our PMA letter of approval dated July 9, 2012, also apply to the enclosed PMA Listing-Supplement No. 190, revision 3. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

FOR Carlton N. Cochran
Manager, Fort Worth Manufacturing Inspection
District Office

Enclosure
PMA Listing-Supplement No. 190, revision 3.



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. 190
REVISION NO. 3
DATE MAR 24 2015

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Nipple, Gage	SL02G21382	P/N 02G21382 P/N 02A21382 P/N 75447	Test and Computations per 14 CFR §21.303. <u>DWG No:</u> SL02G21382. <u>Rev:</u> D. <u>Date:</u> 05/26/04, or later FAA approved revisions.	Lycoming Engines	IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6D, -B1B, -B1D, -B1E, -B1F, -B1G6, -B2F, -B2F6, -B4A, -C1C, -C1C6, -C1E6, -C1F, -J1A6D, -L2A, -M1A, -M1B AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A IVO-360-A1A LIO-360-C1E6 TIO-360-A1B, -C1A6D AEIO-360-B1G6, -H1A IO-390-A1A6, -A1B6, -A3B6 AEIO-390-A1A6, -A1B6, -A3A6, -A3B6 IO-540-G1B5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1G5, -K1G5D, -K1K5, -P1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5, -V4A5D, -W1A5, -W1A5D, -W3A5D, -AB1A5, -AC1A5, -AF1A5 TIO-540-A1A, -A1B, -A2A, -A2B, -A2C, -F2BD, -J2B, -J2BD, -N2BD, -R2AD, -U2A, -W2A, -AF1A, -AF1B, -AG1A, -AH1A LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD, -U2A, -W2A AEIO-540-D4A5, -D4B5 IO-580-B1A

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DATE **MAR 24 2015**

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Plug Screen, Oil	SL12545	P/N LW-12545. P/N 69335. P/N 65398	Test and Computations per 14 CFR §21.303. DWG No: SL12545. <u>Rev:</u> E. <u>Date:</u> 8/3/07, or later FAA approved revisions.	Lycoming Engines	O-320-D1A, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2H, -E3D, -E3H IO-320-B1A, -B1C, -B1E, -C1A, -C1B, -D1A, -D1B, -D1C, -F1A AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B LIO-320-B1A, -C1A AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, -A4D, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B1A, -B1B, -B2A, -B2B, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -C4F, -C4P, -D1A, -D2A, -D2B, -F1A6, -G1A6, -J2A HO-360-A1A, -B1A, -B1B, -C1A IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A1D6D, -A2A, -A2B, -A2C, -A3B6, -A3B6D, -A3D6D, -B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1E6D, -C1F, -C1G6, -D1A, -E1A, -F1A, -J1AD, -J1A6D, -K2A, -L2A, -M1A, -M1B LO-360-A1G6D, -A1H6 TO-360-C1A6D HIO-360-A1A, -A1B, -B1A, -B1B, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD, -G1A

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. 190
 REVISION NO. 3
 DATE MAR 24 2015

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Plug Screen. Oil	SL12545	P/N LW-12545. P/N 69335, P/N 65398	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SL12545, <u>Rev:</u> E, <u>Date:</u> 8/3/07, or later FAA approved revisions.	Lycoming Engines	LIO-360-C1E6. -M1A TIO-360-A1A. -A1B. -A3B6. -C1A6D LHIO-360-C1A. -C1B. -FIAD IO-390-A1A6. -A3A6. -A1B6. -A3B6 O-540-A1A. -A1A5. -A1B5. -A1C5. -A1D. -A1D5. -A2B. -A3D5. -A4A5. -A4B5. -A4C5. -A4D5. -A4E5. -B1A5. -B1B5. -B1D5. -B2A5. -B2B5. -B2C5. -B4A5. -B4B5. -D1A5. -E4A5. -E4B5. -E4C5. -F1A5. -F1B5. -G1A5. -G2A5. -H1A5. -H1A5D. -H1B5D. -H2A5. -H2A5D. -H2B5D. -J1A5D. -J1B5D. -J1C5D. -J1D5D. -J2A5D. -J2B5D. -J2C5D. -J2D5D. -J3A5. -J3A5D. -J3C5D. -L3C5D IO-540-A1A5. -B1A5. -B1B5. -B1C5. -C1B5. -C1C5. -C2C. -C4B5. -C4B5D. -C4C5. -C4D5. -C4D5D. -D4A5. -D4B5. -D4C5. -E1A5. -E1B5. -E1C5. -G1A5. -G1B5. -G1C5. -G1D5. -G1E5. -G1F5. -J4A5. -K1A5. -K1A5D. -K1B5. -K1B5D. -K1C5. -K1D5. -K1E5. -K1E5D. -K1F5. -K1F5D. -K1G5. -K1G5D. -K1H5. -K1J5. -K1J5D. -K2A5. -L1A5. -L1A5D. -L1B5D. -L1C5. -M1A5. -M1A5D. -M1B5D. -M1C5. -M2A5D. -N1A5. -P1A5. -R1A5. -S1A5. -T4A5D. -T4B5. -T4B5D. -T4C5D. -U1A5D. -U1B5D. -V4A5. -V4A5D. -W1A5. -W1A5D. -W3A5D. -AA1A5. -AA1B5. -AB1A5. -AE1A5. -AF1A5. -AG1A5 TIO-540-A1A. -A1B. -A1C. -A2A. -A2B. -A2C. -C1A. -E1A. -F2BD. -G1A. -H1A. -J2B. -J2BD. -K1AD. -N2BD. -R2AD. -S1AD. -T2AD. -U2A. -AA1AD. -AB1AD. -AB1BD. -AF1A. -AF1B. -AG1A. -AH1A. -AK1A

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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
Plug Screen. Oil	SL12545	P/N LW-12545, P/N 69335, P/N 65398	Test and Computations per 14 CFR §21.303. <u>DWG No:</u> SL12545. <u>Rev:</u> E. <u>Date:</u> 8/3/07, or later FAA approved revisions.	Lycoming Engines	LTIO-540-F2BD, -J2B, -J2BD, -K1AD, -N2BD, -R2AD, -U2A TIO-541-A1A IO-580-A1A, -B1A IO-720-A1A, -A1B, -A1BD, -B1A, -B1B, -B1BD, -C1B, -C1BD, -D1B, -D1BD, -D1C, -D1CD
Spacer. Magneto	SL12706	P/N LW-12706, P/N 61666.	Test and Computations per 14 CFR §21.303. <u>DWG No:</u> SL1706. <u>Rev:</u> F. <u>Date:</u> 1/21/08, or later FAA approved revisions.	Lycoming Engines	O-235-C1, -C1A, -C1C, -C2A, -C2B, -C2C, -E1, -E2A, -E2B, -F1, -F2A, -F2B, -G1, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C O-290-D, -D2, -D2A, -D2B, -D2C O-320-A1A, -A1B, -A2A, -A2B, -A2D, -A3A, -A3B, -B1A, -B1B, -B2A, -B2B, -B2D, -B2E, -B3A, -B3B, -C1A, -C1B, -C2A, -C2B, -C3A, -C3B, -D1A, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2I, -D3G, -E1A, -E1C, -E1F, -E1J, -E2A, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H IO-320-B1A, -B1B, -B1C, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A AIO-320-A1B, -A2B, -B1B, -C1B LIO-320-B1A, -C1A AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B O-340-A1A, -A2A, -B1A

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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
Spacer, Magneto	SL12706	P/N LW-12706, P/N 61666,	Test and Computations per 14 CFR §21.303, DWG No: SL1706, <u>Rev:</u> F, <u>Date:</u> 1/21/08, or later FAA approved revisions.	Lycoming Engines	O-360-A1A, -A1F6, -A1G, -A1G6, -A1H, -A1H6, -A1P, -A2A, -A2F, -A2G, -A2H, -A3A, -A4A, -A4C, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -B1A, -B2A, -B2C, -C1A, -C1E, -C1F, -C1G, -C2A, -C2B, -C2E, -C4F, -C4P, -D1A, -D2A, -F1A6, -G1A6 IO-360-A1B, -A1B6, -A1D, -A1D6, -A2B, -A3B6, -B1E, -B1F, -B1G6, -B2E, -B2F, -B2F6, -B4A, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -C1G6, -F1A, -K2A, -L2A, -M1B LO-360-A1H6 VO-360-A1A AIO-360-A1B, -A2B, -B1B IVO-360-A1A LIO-360-C1E6 AEIO-360-A1B, -A1B6, -A1D, -A1E, -A1E6, -A2B, -B1F, -B1F6, -B1G6, -B1H, -B2F, -B2F6, -B4A, -H1A, -H1B

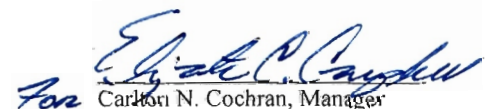
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GENERAL NOTES:

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.


 Scott Horn, Acting Manager
 Airplane Certification Office
 ASW-150


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