



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

Rotorcraft Directorate
Fort Worth Manufacturing Inspection District Office
2601 Meacham Boulevard
Fort Worth, Texas 76137-4298

August 17, 2011

Mr. Bill Blackwood
Director of Quality Assurance
Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, Texas 75019


FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Dear Mr. Blackwood:

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 submitted by Superior Air Parts, Inc., with your letter (FAAL-1470) dated June 27, 2011, 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. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 173, revision 2. Supplement No. 173, revision 2, updates Supplement No. 173. All previous revisions 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 18, 2011, also apply to the enclosed PMA Listing-Supplement No. 173, revision 2. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

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

Enclosure:
PMA Listing-Supplement No. 173, revision 2



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. 173
REVISION 2
DATE August 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Cylinder Stud Assy.	SL32006W-A1	75044, 75317, 75042, LW12416 75868, LW12417 75907, LW12419	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A LIO-320-B1A, C1A O-320-A1A, -A1B, -A2B, -A2C, -A2D, -A3A, -A3B, -B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1AD, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H
Cylinder Stud Assy.	SL32006WL-A1	76086, LW12418	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	IO-320-C1A LIO-320-C1A
Cylinder Stud Assy.	SL32006NA-A1	75184, LW12409 75183, LW12410	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	O-320-A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -E1A, -E2A

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Cylinder Stud Assy.	SL32006N-A1	75361, LW12411 75188, LW12412 77476, LW13393	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	IO-320-B1A O-320-A1A, -A1B, -A2C, -A2D, -A3A, -B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1AD, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H
Cylinder Stud Assy.	SL36006W-A1	75874, LW12427 78597, LW12768	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	AEIO-360-B1B, -B1D, -B1F, -B1F6, -B1G6, -B1H, -B2F, -B2F6, -B4A, -H1A, -H1B HIO-360-B1A, -B1B IO-360-B1A, -B1B, -B1BD, -B1C, -B1D, -B1E, -B1F, -B1F6, -B2E, -B2F, -B2F6, -B4A, -E1A, -F1A, M1A, M1B LIO-360-M1A HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1J, -A1LD, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, -A4D, -A4G, -A4J, -A4JD, -A4K, -A4M, -A4N, -A5AD, -B1A, -B1B, -B2A, -B2B, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -D1A, -D2A, -F1A6, -G1A6 AEIO-540-D4B5, -D4C5 IO-540-AA1A5, -AA1B5, -AF1AD, -C1B5, -C1C5, -C2C, -C4A5, -C4B5, -C4B5D, -C4C5, -C4D5D, -D4A5, -D4B5, -D4C5, -N1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -T4C5D, -W1A5 O-540-A4D5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -D1A5, -E4A5, -E4B5, -E4C5, -F1A5, -G1A5, -G2A5, -H1A5, -H1A5D, -H1B5D, -H2A5, -H2A5D, -H2B5D, -J1B5D, -J1C5D, -J1D5D

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Cylinder Stud Assy.	SL36006N-A1	75360, LW12422 75186, LW12424 74924, LW12425	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	HIO-360-B1A IO-360-B1A, -B1B HO-360-B1A, -B1B O-360-A1A, -A2A, -A3A, -A1C, -A1D, -A2D, -A2E, -B2A, -C2A, -C2C, -C2D, -D2A, -D2B IO-540-C1B5, -C1C5, -C2C, -C4A5, -C4B5, -C4B5D, -C4C5, -C4D5D, -D4A5, -D4B5, -D4C5, -N1A5, O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B2C5D, -B4A5, -B4B5, -B4B5D, -D1A5, -E1A, -E4A5, -E4B5, -E4B5D, -E4C5, -G1A5, -G2A5
Cylinder Stud Assy.	SL36006NL-A1	76087, LW12433	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	IO-540-J4A5, -R1A5 TIO-540-C1A, -E1A, -G1A, -H1A
Cylinder Stud Assy.	SL36006WL-A1	78825, LW12429, LW12769	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	LTIO-540-K1AD TIO-540-AA1AD, -AB1AD, -AF1A, -AG1A, -AK1A, -C1A, -CIAD, -J4A5, -K1AD, -R1A5
Cylinder Stud Assy.	SL36006TW-A1	LW13870	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	O-360-J2A IO-540-AB1A5, -W1A5D, -W3A5D O-540-F1B5, -J1A5D, -J2A5D, -J3A5, -J3A5D, -J3C5D
Cylinder Stud Assy.	SL36006TWL-A1	LW15605	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	O-540-L3C5D

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Cylinder Stud and Valve Assy.	SL32006W-A2	75044, 75317, 75042, LW12416, 75868, LW12417, 75907, LW12419	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A LIO-320-B1A, C1A O-320-A1A, -A1B, -A2B, -A2C, -A2D, -A3A, -A3B, -B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1AD, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H
Cylinder Stud and Valve Assy.	SL32006WL-A2	76086, LW12418	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	IO-320-C1A LIO-320-C1A
Cylinder Stud and Valve Assy.	SL32006NA-A2	75184, LW12409, 75183, LW12410	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	O-320-A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -E1A, -E2A
Cylinder Stud and Valve Assy.	SL32006N-A2	75361, LW12411, 75188, LW12412, 77476, LW13393	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	IO-320-B1A O-320-A1A, -A1B, -A2C, -A2D, -A3A, -B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1AD, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H

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Cylinder Stud and Valve Assy.	SL36006W-A2	75874, LW12427 78597, LW12768	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	AEIO-360-B1B, -B1D, -B1F, -B1F6, -B1G6, -B1H, -B2F, -B2F6, -B4A, -H1A, -H1B H1O-360-B1A, -B1B IO-360-B1A, -B1B, -B1BD, -B1C, -B1D, -B1E, -B1F, -B1F6, -B2E, -B2F, -B2F6, -B4A, -E1A, -F1A, M1A, M1B L1O-360-M1A HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1J, -A1LD, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, -A4D, -A4G, -A4J, -A4JD, -A4K, -A4M, -A4N, -A5AD, -B1A, -B1B, -B2A, -B2B, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -D1A, -D2A, -F1A6, -G1A6 AEIO-540-D4B5, -D4C5 IO-540-AA1A5, -AA1B5, -AF1AD, -C1B5, -C1C5, -C2C, -C4A5, -C4B5, -C4B5D, -C4C5, -C4D5D, -D4A5, -D4B5, -D4C5, -N1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -T4C5D, -W1A5 O-540- A4D5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -D1A5, -E4A5, -E4B5, -E4C5, -F1A5, -G1A5, -G2A5, -H1A5, -H1A5D, -H1B5D, -H2A5, -H2A5D, -H2B5D, -J1B5D, -J1C5D, -J1D5D

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Cylinder Stud and Valve Assy.	SL36006N-A2	75360, LW12422 75186, LW12424 74924, LW12425	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	HIO-360-B1A IO-360-B1A, -B1B HO-360-B1A, -B1B O-360-A1A, -A2A, -A3A, -A1C, -A1D, -A2D, -A2E, -B2A, -C2A, -C2C, -C2D, -D2A, -D2B IO-540-C1B5, -C1C5, -C2C, -C4A5, -C4B5, -C4B5D, -C4C5, -C4D5D, -D4A5, -D4B5, -D4C5, -N1A5, O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B2C5D, -B4A5, -B4B5, -B4B5D, -D1A5, -E1A, -E4A5, -E4B5, -E4B5D -E4C5, -G1A5, -G2A5
Cylinder Stud and Valve Assy.	SL36006NL-A2	76087, LW12433	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	IO-540-J4A5, -R1A5 TIO-540-C1A, -E1A, -G1A, -H1A
Cylinder Stud and Valve Assy.	SL36006WL-A2	78825, LW12429, LW12769	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	LTIO-540-K1AD TIO-540-AA1AD, -AB1AD, -AF1A, -AG1A, -AK1A, -C1A, -C1AD, -J4A5, -K1AD, -R1A5
Cylinder Stud and Valve Assy.	SL36006TW-A2	LW13870	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	O-360-J2A IO-540-AB1A5, -W1A5D, -W3A5D O-540-F1B5, -J1A5D, -J2A5D, -J3A5, -J3A5D, -J3C5D
Cylinder Stud and Valve Assy.	SL36006TWL-A2	LW15605	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	O-540-L3C5D

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Cylinder Complete Assy.	SL32006W-A20P	75044, 75317, 75042, LW12416, 75868, LW12417, 75907, LW12419	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	AEIO-320- D1B, -D2B AIO-320- B1B, -C1B IO-320-B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -F1A LIO-320-B1A, C1A O-320-B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1AD, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G
Cylinder Complete Assy.	SL32006W-A21P	75044, 75317, 75042, LW12416, 75868, LW12417, 75907, LW12419	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	AEIO-320- E1A, -E1B, -E2A, -E2B AIO-320-A1A, -A1B, -A2A, -A2B IO-320-A1A, -A2A, -B1A, -E1A, -E1B, -E2A, -E2B O-320-A1A, -A1B, -A2B, -A2C, -A2D, -A3A, -A3B, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H
Cylinder Complete Assy.	SL32006WL-A20P	76086, LW12418	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	IO-320-C1A LIO-320-C1A
Cylinder Complete Assy.	SL32006NA-A21P	75184, LW12409, 75183, LW12410	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	O-320-A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -E1A, -E2A

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Cylinder Complete Assy.	SL32006N-A20P	75361, LW12411 75188, LW12412 77476, LW13393	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	IO-320-B1A O-320--B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1AD, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G
Cylinder Complete Assy.	SL32006N-A21P	75361, LW12411 75188, LW12412 77476, LW13393	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	O-320-A1A, -A1B, -A2C, -A2D, -A3A, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H
Cylinder Complete Assy.	SL36006W-A20P	75874, LW12427 78597, LW12768	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	AEIO-360-B1B, -B1D, -B1F, -B1F6, -B1G6, -B1H, -B2F, -B2F6, -B4A, -H1A, -H1B HIO-360-B1A, -B1B IO-360-B1A, -B1B, -B1BD, -B1C, -B1D, -B1E, -B1F, -B1F6, -B2E, -B2F, -B2F6, -B4A, -E1A, -F1A, M1A, M1B LIO-360-M1A HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1J, -A1J.D, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, -A4D, -A4G, -A4J, -A4JD, -A4K, -A4M, -A4N, -A5AD, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -F1A6, -G1A6 AEIO-540-D4B5, -D4C5 IO-540 -AF1AD, -C1B5, -C1C5, -C2C, -C4A5, -C4B5, -C4B5D, -C4C5, -C4D5D, -D4A5, -D4B5, -D4C5, -N1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -T4C5D, -W1A5 O-540- A4D5, -E4A5, -E4B5, -E4C5, -F1A5, -G1A5, -G2A5, H1A5, -H1A5D, -H1B5D, -H2A5, -H2A5D, -H2B5D

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. 173
REVISION 2
DATE August 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Cylinder Complete Assy.	SL36006W-A21P	75874, LW12427 78597, LW12768	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	O-360-B1A, -B1B, -B2A, -B2B, -D1A, -D2A O-540-B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B3A5, -B4B5
Cylinder Complete Assy.	SL36006N-A20P	75360, LW12422 75186, LW12424 74924, LW12425	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	H1O-360-B1A IO-360-B1A, -B1B HO-360-B1A, -B1B O-360-A1A, -A2A, -A3A, -A1C, -A1D, -A2D, -A2E, -C2A, -C2C, -C2D IO-540-C1B5, -C1C5, -C2C, -C4A5, -C4B5, -C4B5D, -C4C5, -C4D5D, -D4A5, -D4B5, -D4C5, -N1A5, O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -D1A5, -E1A, -E4A5, -E4B5, -E4B5D, -E4C5, -G1A5, -G2A5, TIO-540-G1A
Cylinder Complete Assy.	SL36006N-A21P	75360, LW12422 75186, LW12424 74924, LW12425	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	O-360-B2A, -D2A, -D2B O-540-B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B2C5D, -B4A5, -B4B5, -B4B5D,
Cylinder Complete Assy.	SL36006NL-A20P	76087, LW12433	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	IO-540-J4A5, -R1A5
Cylinder Complete Assy.	SL36006NL-A21P	76087, LW12433	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL36006PA, <u>REV:</u> A <u>DATE:</u> 03/26/1999 or later FAA-approved revisions	Lycoming Engines	TIO-540-C1A, -E1A, -H1A


FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

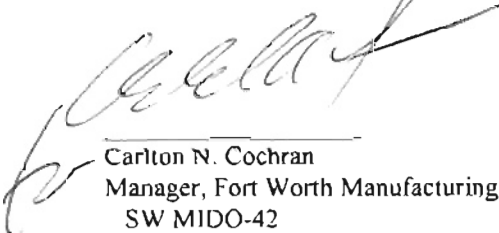
SUPERIOR AIR PARTS, INC.
621 S. Royal Lane, Suite # 100
Coppell, TX 75019-3805

PMA NO. PO0060SW
SUPPLEMENT NO. 173
REVISION 2
DATE August 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Cylinder Complete Assy.	SL36006WL-A21P	78825, LW12429, LW12769	Test and Computations per 14 CFR § 21.303, DWG NO: SL36006PA, REV: A, DATE: 03/26/1999 or later FAA-approved revisions	Lycoming Engines	LTIO-540-KIAD TIO-540-AAIAD, -ABIAD, -AFIA, -AGIA, -AKIA, -CIA, -CIAD, -J4A5, -KIAD, -RIA5
Cylinder Complete Assy.	SL36006TW-A20P	LW13870	Test and Computations per 14 CFR § 21.303, DWG NO: SL36006PA, REV: A, DATE: 03/26/1999 or later FAA-approved revisions	Lycoming Engines	O-360-J2A IO-540-ABIA5, -W1A5D, -W3A5D O-540-FIB5, -J1A5D, -J2A5D, -J3A5, -J3A5D, -J3C5D
Cylinder Complete Assy.	SL36006TWL-A20P	LW15605	Test and Computations per 14 CFR § 21.303, DWG NO: SL36006PA, REV: A, DATE: 03/26/1999 or later FAA-approved revisions	Lycoming Engines	O-540-L3C5D
-----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 173, revision 2, dated August 15, 2011, updates Supplement 173, dated November 2, 1999. The purpose of the revision is to include over-sized parts, not previously listed on Supplement 173. Supplement 173 remains in effect.


S. Frances Cox
Manager, Special Aircraft Certification Office
ASW-190


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