



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

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

November 16, 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-1458) dated May 1, 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. 164, revision 2. This revision replaces Supplement No. 164, revision 1 by adding cylinder stud assembly, P/N SL10302-A1 which was omitted on revision 1.

You are reminded that the provisions of 14 CFR, parts 21 and 45, noted in our PMA letter of approval dated June 21, 2011, also apply to the enclosed PMA Listing-Supplement No. 164, revision 1. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

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

Enclosure:
PMA Listing-Supplement No. 164, 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. 164
REVISION 2
DATE November 10, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Cylinder Stud Assy.	SL10302-A1	LW11633, LW16703	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL10302-A1, <u>REV:</u> J <u>DATE:</u> 05/29/2007 or later FAA-approved revisions	Lycoming Engines	O-235-F2A, -F2B, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1
Cylinder Assy. With Valves	SL10302-A2	LW11633, LW16703	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL10302, <u>REV:</u> G <u>DATE:</u> 04/4/2011 or later FAA-approved revisions	Lycoming Engines	O-235-F2A, -F2B, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1
Cylinder Assy. With Valves and Piston	SL10302-A20P	LW12591	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL10302, <u>REV:</u> G <u>DATE:</u> 04/4/2011 or later FAA-approved revisions	Lycoming Engines	O-235-F2A, -F2B, -J2A
Cylinder Assy. With Valves and Piston	SL10302-A21P	LW13969	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL10302, <u>REV:</u> G <u>DATE:</u> 04/4/2011 or later FAA-approved revisions	Lycoming Engines	O-235- K2A, -K2B, -K2C, -L2A, -L2C, -M1
Cylinder Assy. With Valves	SL10303-A2	71828, LW12986, LW16701, LW16704	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL10303, <u>REV:</u> H <u>DATE:</u> 04/19/2011 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2B, -C2C, -E2A, -H2C

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. 164
REVISION 2
DATE November 10, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Cylinder Assy. With Valves and Piston	SL10303-A20P	75805, LW14126	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL10303, <u>REV:</u> H <u>DATE:</u> 04/19/2011 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2B, -C2C, -E2A, -H2C
Cylinder Stud Assy.	SL10303-A1	71828, LW12986, LW16701, LW16704	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SL10303-A1, <u>REV:</u> J <u>DATE:</u> 11/01/2006 or later FAA-approved revisions -----End of Listing-----	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2B, -C2C, -E2A, -H2C

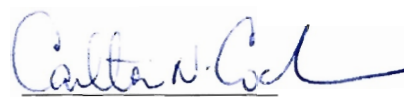
NOTE:

- 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 164, revision 2, updates Supplement 164, revision 2, dated August 15, 2011. The purpose of the revision is to include configuration part numbers not previously listed on Supplement 164. Supplement 164, revision 1, is replaced by Supplement 164, revision 2.



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

11/9/2011



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