

**FAA - PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT**

**SUPERIOR AIR PARTS, INC.**  
**14280 Gillis Road**  
**Dallas, Texas 75240**

**PMA No. PQ0060SW**  
**Supplement No. 147**  
**Revision No. 1**  
**Project No. PM5129SC-E**

<b><u>PART NAME</u></b>	<b><u>PART NUMBER</u></b>	<b><u>REPLACEMENT FOR</u></b>	<b><u>APPROVAL BASIS AND APPROVED DESIGN DATA</u></b>	<b><u>ELIGIBILITY (MAKE)</u></b>	<b><u>ELIGIBILITY (MODEL)</u></b>
Cylinder Assembly	SA52000-A1	649317 When used in Cylinder and Valve Assembly 649317A6	Test and Computations per 14CFR § 21.303, Dwg. SA52000, Rev. none, dated: 03/27/95 or later FAA approved revisions.	Teledyne Continental Motors	IO-520-A, -B, -BA, -C, -D, -E, -F, -J, -K, -L, -M, -BB, -B, -MB  TSIO-520-B, -BB, -C, -D, -DB, -E, -EB, -G, -H, -J, -JB, -K, -KB, -L, -LB, -M, -N, -NB, -P, -R, -T, -VB, -WB
Cylinder Assembly	SA52000-A1	649358 When used in Cylinder and Valve Assembly 649358A2	Test and Computations per 14CFR § 21.303, Dwg. SA52000, Rev. none, dated: 03/27/95 or later FAA approved revisions.	Teledyne Continental Motors	IO-550-A, -B, -C
Cylinder Assembly	SA52000CK-A1	649317CP When used in Cylinder and Valve Assembly 649317CP-A2	Test and Computations per 14CFR § 21.303, Dwg. SA52000CK, Rev. none, dated: 03/27/95 or later FAA approved revisions.	Teledyne Continental Motors	IO-520-A, -B, -C, -D, -E, -F, -J, -K, -L, -M, -BB, -CB, -MB

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Cylinder Assembly	SA52000CK-A1	649317CP When used in Cylinder and Valve Assembly 649317CP-A6	Test and Computations per 14CFR § 21.303, Dwg. SA52000CK, Rev. none, dated: 03/27/95 or later FAA approved revisions.	Teledyne Continental Motors	TSIO-520-B, -C, -D, -DB, -E, -EB, -G, -H, -J, -JB, -KB, -L, -LB, -N, -NB, -P, -R, -T, -B, -WB
Cylinder Assembly	SA52000CK-A1	646652CP When used in Cylinder and Valve Assembly 646652CP-A4	Test and Computations per 14CFR § 21.303, Dwg. SA52000CK, Rev. none, dated: 03/27/95 or later FAA approved revisions.	Teledyne Continental Motors	IO-550-C
Cylinder Assembly, Long Reach	SA47000L-A1	649168 When used in Cylinder and Valve Assembly 649168A5	Test and Computations per 14CFR § 21.303, Dwg. SA47000L, Rev. none, dated: 04/10/95 or later FAA approved revisions.	Teledyne Continental Motors	O-470-U IO-470-D, -E, -F, -L, -M, -N, -S, -U, -V
Cylinder Assembly, Long Reach, Chrome Plated	SA47000LCK-A1	649168CP When used in Cylinder and Valve Assembly 649168CP-A1	Test and Computations per 14CFR § 21.303, Dwg. SA47000LCK, Rev. none, dated: 04/24/95 or later FAA approved revisions.	Teledyne Continental Motors	O-470-U IO-470-D, -E, -F, -H, -L, -M, -N, -S, -U, -V

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Cylinder Assembly Short Reach	SA47000S-A1	649163 When used in Cylinder and Valve Assembly 649163A5	Test and Computations per 14CFR § 21.303, Dwg. SA47000S, Rev. none, dated: 04/10/95 or later FAA approved revisions.	Teledyne Continental Motors	O-470-G, -K, -L, -M, -R, -S IO-470-C
Cylinder Assembly, Short Reach, Chrome Plated	SA47000SCK-A1	646680CP When used in Cylinder and Valve Assembly 646680CP-A3	Test and Computations per 14CFR § 21.303, Dwg. SA47000SCK, Rev. none, dated: 04/24/95 or later FAA approved revisions.	Teledyne Continental Motors	O-470-G, -K, -L, -M, -R, -S IO-470-C
Piston	SA648044	648044	Test and Computations per 14CFR § 21.303, Dwg. SA648044, Rev. none, dated: 11/08/93 or later FAA approved revisions.	Teledyne Continental Motors	TSIO-520-B, -C, -D, -E, -J, -L, -N
Ring, Piston, Compression, 2 <sup>nd</sup> Groove	SA5201C	648005CP	Test and Computations per 14CFR § 21.303, Dwg. SA5201C, Rev. none, dated: 06/27/94 or later FAA approved revisions.	Teledyne Continental Motors	IO-520-A, -B, -BA, -BB, -C, -CB, -D, -E, -F, -J, -K, -L, -M, -MB O-550-B, -C TSIO-520-B, -C, -D, -E, -G, -H, -J, -K, -L, -M, -N, -P, -R, -T, -BB, -CE, -DB, -EB, -JB, -KB, -LB, -NB, -UB, -VB, -WB, -AF

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Ring, Piston, Compression, 2 <sup>nd</sup> Groove	SA5202C	648006CP	Test and Computations per 14CFR § 21.303, Dwg. SA5202C, Rev. none, dated: 06/27/94 or later FAA approved revisions.	Teledyne Continental Motors	IO-520-A, -B, -BA, -BB, -C, -CB, -D, -E, -F, -J, -K, -L, -M, -MB IO-550-B, -C TSIO-520-B, -C, -D, -E, -G, -H, -J, -K, -L, -M, -N, -P, -R, -T, -BB, -CE, -DB, -EB, -JB, -KB, -LB, -NB, -UB, -VB, -WB, -AF
Bushing, Rocker Arm	SA520129	639629	Test and Computations per 14CFR§ 21.303, Dwg. SA520129, Rev. none, dated: 01/05/95 or later FAA approved revisions.	Teledyne Continental Motors	GTSIO-520-C, -D, -F, -H, -K, -L, -M, -N IO-470-C, -D, -E, -F, -H, -L, -M, -N, -S, -U, -V IO520-A, -B, -BA, -BB, -C, -CB, -D, -E, -F, -J, -K, -L, -M, -MB IO-550-A, -B, -C, -G O-470-G, -K, -L, -M, -R, -S, -U TSIO-470-B1, -B2, -B3, -C, -D TSIO-520-AF, -B, -BB, -BE, -C, -CE, -D, -DB, -E, -EB, -G, -H, -J, -JB, -K, -KB, -L, -LB, -M, -N, -NB, -P, -R,

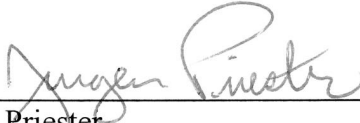
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Bushing, Rocker Arm (cont.)	SA520129	639629	Test and Computations per 14CFR§ 21.303, Dwg. SA520129, Rev. none, dated: 01/05/95 or later FAA approved revisions.	Teledyne Continental Motors	TSIO-520 (cont.)-T, -U, -UB, -VB, -WB TSIOL-550-A
Valve, Intake	SA539988V	539988	Test and Computations per 14CFR § 21.303, Dwg. SA539988V, Rev. none, dated: 01/18/95 or later FAA approved revisions.	Teledyne Continental Motors	O-520-A, -B, -BA, -BB, -C, -CB, -D, -E, -F, -J, -K, -L, -M, -MB LTSIO-520-AE TSIO-470-B1, -B2, -B3, -C, -D TSIO-520-AE, -AF, -B, -BB, -BE, -C, -CE, -D, -DB, -E, -EB, -G, -H, -J, -JB, -K, -KB, -LB, -M, -N, -NB, -P, - R, -T, -U, -UB, -VB, -WB O-470-A, -B, -E, -G, -J, -K, -L, -M, -P, -R, -S, -U IO-470-C, -D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V IO-550-A, -B, -C, -D, -E, -F, -G, -L IO-346 O-470-B, -13, -13A, -4

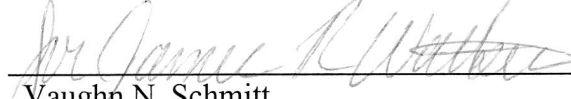
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Nut	SA652541	652541	Test and Computations per 14CFR § 21.303, Dwg. SA652541, Rev. none, dated: 04/07/94 or later FAA approved revisions.	Teledyne Continental Motors	GTSIO-520-C, -D, -F, -H, -K, -L, -M, -N  IO-470-C, -D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V  IO-520-A, -B, -BA, -BB, -C, -CB, -D, -E, -F, -J, -K, -L, -M, -MB  IO-550-A, -B, -C, -G  LTSIO-520-AE  O-470-A, -B, -E, -G, -J, -K, -L, -M, -P, -R, -S, -U  TSIO-520-AE, -AF, -B, -BB, -BE, -C, -CE, -D, -DB, -E, -EB, -G, -H, -J, -JB, -K, -KB, -L, -LB, -M, -N, -NB, - P, -R, -T, -U, -UB, -VB, - WB

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

NOTE: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.

  
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Jurgen Priester  
Project Engineer, Special Certification Office,  
ASW-190

2-4-2002  
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Date

  
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Vaughn N. Schmitt  
Manager, Manufacturing Inspection District Office,  
SW MIDO-42

2/4/02  
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Date

This Supplement is an attachment to your FAA-PMA approval letter dated: January 26, 1994