

FAA - PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

SUPERIOR AIR PARTS, INC.
14280 Gillis Road
Dallas, Texas 75244

PMA No. PQ60SW
Supplement No. 173
Revision No.

<u>PART NAME</u>	<u>PART NUMBER</u>	<u>REPLACEMENT FOR</u>	<u>APPROVAL BASIS AND APPROVED DESIGN DATA</u>	<u>ELIGIBILITY (MAKE)</u>	<u>ELIGIBILITY (MODEL)</u>
Bolt, Thru, Crankcase	SL76220	Textron Lycoming P/N: 76220	Test and Computation per 14 CFR §21.303. Dwg: SL76220, Rev: A, Dated: 01/13/99, or later FAA approved revisions	Textron Lycoming	O-320-A2B, -A2C, -A2D, -A3A, -A3B, -B2B, -B2C, -B3B, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A AIO-320-B1B, -C1B O-360-A1A, -A1AD, -A1D, -A1F6D, -A1G6, -A1G6D, -A1LD, -A2A, -A2D, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4AD, -A4G, -A4J, -A4K, -A4M, -A4N, -A5AD, -B2A, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2E, -D2A, -F1A6 IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D,

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					-A1D6, -A2A, -A2B, -A3B6D, -B1B, -B1D, -B1E, -B1F, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -J1A6D
					LO-360-A1G6D
					LIO-360-C1E6
					AIO-360-A1A, -A1B, -A1E, -B1B, -B1G6, -H1A
					TO-360-C1A6D
					TIO-360-A1B, -C1A6D
					HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD
					O-540-B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -J1A5D, -J3A5D, -J3C5D, -L3C5D
					IO-540-C4B5, -C4D5D, -D4A5, -G1D5, -K1A5, -K1A5D, -K1B5, -K1D5, -K1E5, -K1F5, -K1F5D,

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					-K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -S1A5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D AEIO-540-D4B5, -L1B5D TIO-540-A2C(WD), -AA1AD, -AB1AD, -AE2A, -C1A(WD), -F2BD, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -U2A, -V2AD LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD, -U2A, -V2AD IO-720-A1B(WD), -B1B(WD), -D1B(WD), -D1BD, -D1C, -D1CD
Piston	SL75413A	Textron Lycoming P/N: 75413	Test and Computations per 14 CFR §21.303. <u>Dwg. No.:</u> SL75413A <u>Rev.:</u> A, Dated: 01/12/99, or later FAA approved revisions	Textron Lycoming	O-320-A1A, -A2A, -A3A, -A1B, -A2B, -A2C, -A2D, -A3B, -A3C, -E1A, -E2A, -E2B, -E1C, -E2C, -E2D, -E2E, -E3D, -E1F, -E2F, -E2G, -E2H, -E3H, -E1J IO-320-E1A, -E1B, -E2A, -E2B

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					AEIO-320-E1A, -E2A, -E1B, -E2B
					O-360-B2A, -D2A, -D2B
					O-540-B1A5, -B2A5, -B1B5, -B2B5, -B4B5, -B4B5D, -B2C5, -B2C5D
					TIO-540-C1A, -C1AD, -E1A, -H1A
Piston	SL75089A	Textron Lycoming P/N: 75089	Test and Computations per 14 CFR §21.303. <u>Dwg. No.:</u> SL75089A, <u>Rev.:</u> A, Dated: 01/12/99, or later FAA approved revisions	Textron Lycoming	O-320-B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1AD, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G
					IO-320-B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -C1F, -D1A, -D1AD, -D1B, -D1C, -F1A
					LIO-320-B1A, -C1A
					AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B
					AEIO-320-D1B, -D2B
					O-340-A, -A1A, -A1B,

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					-A2A
					O-360-A1A, -A1AD, -A1B, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -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
					LO-360-A1C6D, -A2D
					IO-360-B1A, -B1B, -B1BD, -B1C, -B1D, -B1E, -B1F, -B1F6, -B2E, -B2F, -B2F6, -B4A, -E1A, -F1A
					AEIO-360-B1B, -B1D, -B1F, -B1F6, -B1G6, -B2F, -B2F6, -B4A, -H1A
					VO-360- A1A, -A1B, -B1A
					IVO-360-A1A
					HO-360-A1A, -B1A, -B1B

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					HIO-360-B1A, -B1B O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -D1A5, -E4A5, -E4B5, -E4B5D, -E4C5, -F1A5, -F1B5, -G1A5, -G1A5D, -G2A5, -H1A5, -H1A5D, -H1B5D, -H2A5, -H2A5D, -H2B5D, -L3C5D
					IO-540-C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4C5, -C4D5D, -D4A5, -D4B5, -D4C5, -J4A5, -M1A5, -M1A5D, -R1A5, -T4A5D, -T4B5D, -T4C5D, -V4A5D
					TIO-540-G1A
					AEIO-540-D4A5, -D4B5, -D4C5
Cylinder Assembly, Build-Up	SL36006PA	Textron Lycoming 320, 360, 540 Parallel Valve Cylinder Assembly	Test and Computations per 14 CFR §21.303. <u>Dwg. No.</u> : SL36006PA, <u>Rev.</u> : A, Dated: 03/26/99, or later FAA approved revisions	Textron Lycoming	O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A,

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					-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
					IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -C1F, -D1A, -D1AD, -D1B, -E1A, -E1B, -E2A, -E2B, -F1A
					LIO-320-B1A, -C1A
					AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B
					AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B
					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,

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					-A5AD, -B1A, -B1B, -B2A, -B2B, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -D1A, -D2A, -D2B, -F1A6, -G1A6
					IO-360-B1A, -B1B, -B1BD, -B1C, -B1D, -B1E, -B1F, -B1F6, -B2E, -B2F, -B2F6, -B4A, -E1A, -F1A
					HO-360-A1A, -B1A, -B1B
					HIO-360-B1A, -B1B, -C1A, -C1B
					LO-360-A1G6D, -A1H6
					AEIO-360-B1B, -B1D, -B1F, -B1F6, -B1G6, -B2F, -B2F6, -B4A, -H1A
					TO-360-A1G6D
					TIO-360-A3B6D, -F1A
					LTO-360-A1A6D
					O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -B1A5, -B1B5, -B1D5, -B2A5,

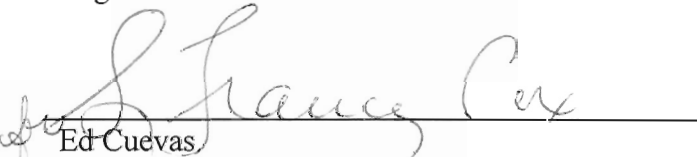
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					-B2B5, -B2C5, -B2C5D, -B4A5, -B4B5, -B4B5D, -D1A5, -E1A, -E4A5, -E4B5, -E4B5D, -E4C5, -F1A5, -F1B5, -G1A5, -G1A5D, -G2A5, -H1A5, -H1A5D, -H1B5, -H1B5D, -H2A5, -H2A5D, -H2B5D, -J1A5D, -J1B5D, -J1C5D, -J1D5D, -J3A5, -J3A5D, -J3C5D, -L3C5D IO-540-A1A, -A1A5, -AA1A5, -AA1B5, -C1B5, -C1C5, -C2C, -C4A5, -C4B5, -C4B5D, -C4C5, -C4D5D, -D4A5, -D4B5, -D4C5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1B5, -K1B5D, -K1D5, -K1F5, -L1A5, -N1A5, -N1A5D, -R1A5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W1A5D, -W3A5D HIO-540-A1A AEIO-540-D4B5, -D4C5 TIO-540-AA1AD, -AB1AD, -AF1A, -C1A, -C1AD, -E1A, -H1A, -G1A, -J4A5,

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					-K1AD, -R1A5
					LTIO-540-K1AD

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

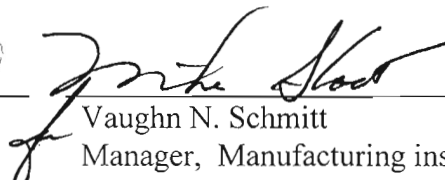
NOTE: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.



Ed Cuevas
Project Engineer, Special Certification Office,
ASW-190

11-2-99

Date



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

11/2/99

Date

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