

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Airmotive Engineering Corp.
 9503 Middlex
 San Antonio, Texas 78217-5994

PMA No. PQ3SW
 Supplement No. 27
 Date AUG 28 1996

Name and Part No.	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility
<u>Part Name:</u> Ring, Piston, Compression 5.25X.109, <u>P/N:</u> AEC648005PL	Teledyne Continental <u>P/N:</u> 648005	Test and computations approved under 14 CFR Part 21, Section 21.303(c)(4). <u>Dwg. No:</u> AEC648005PL <u>Rev:</u> A, <u>Dated:</u> 12/3/96, or later FAA approved revision.	Teledyne Continental IO-346-A, B Teledyne Continental IO-520-A, B, BA, BB, C, CB, D, E, F, J, K, L, M, MB, N, NB Teledyne Continental TSIO-520- AE, B, BE, BB, C, D, DB, E, EB, G, H, J, JB, K, KB, L, LB, M, N, NB, P, R, T, U, UB, WB Teledyne Continental GTSIO-520- C, D, F, H, K, L, M, N Teledyne Continental IO-550-A, B, C, D, E, F, G, L Teledyne Continental TSIOL-550- A, B
<u>Part Name:</u> Ring, Piston, Compression 5.001X.0955, <u>P/N:</u> AEC648009PL	Teledyne Continental <u>P/N:</u> 648009	Test and computations approved under 14 CFR Part 21, Section 21.303(c)(4). <u>Dwg. No:</u> AEC648009PL <u>Rev:</u> I.R. <u>Dated:</u> 12/3/96, or later FAA Approved revision.	Teledyne Continental E-165-2, 3, 4 Teledyne Continental E-185-1, 2, 3, 5, 8, 9, 10, 11 Teledyne Continental E-225-2, 4, 8, 9 Teledyne Continental O-470-2, 4, 7, 11, 13, 13A, 15, A, B, B-CI, E, G, G-CI, H, J, K, K-CI, L, L-CI, M, M- CI, N, P, R, S, T, U Teledyne Continental IO-470-C, D, E, F, G, H, L, M, N, P, R, S, U, V, VO Teledyne Continental TSIO-470-B, C, D Teledyne Continental LIO-470-A

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<u>Part Name:</u> Ring, Piston, Compression <u>P/N:</u> AEC649632PL	Teledyne Continental <u>P/N:</u> 649632	Test and computations approved under 14 CFR Part 21, Section 21.303(c)(4). <u>Dwg. No:</u> AEC649632PL <u>Rev:</u> A, <u>Dated:</u> 2/10/98, or later FAA approved revision.	Teledyne Continental C75-8, 8F, 8FH, 8FHJ, 8FJ, 8J, 12, 12B, 12BF, 12BFH, 12F, 12FH, 12FHJ, 15, 15F, FJ, J Teledyne Continental C85-8, 8F, 8FHJ, 8FJ, 8J, 12, 12F, 12FH, 12FHJ, 12FJ, 12J, 14F, 15, 15F Teledyne Continental C90-8F, 8FJ,
<u>Part Name:</u> Ring, Piston, Compression, <u>P/N:</u> AEC649632PL	Teledyne Continental <u>P/N:</u> 649632	Test and computations approved under 14 CFR Part 21, Section 21.303(c)(4). <u>Dwg. No:</u> AEC649632PL <u>Rev:</u> A, <u>Dated:</u> 2/10/98, or later FAA approved revision.	Teledyne Continental C90-12F, 12FH, 12FJ, 12FP, 14F, 14FH, 14FJ, 14FP, 16F Teledyne Continental C125-1, 2, Teledyne Continental C145-2, 2H, 2HP Teledyne Continental O-200-A, B, C Teledyne Continental O-300-A, B, C, D, E Teledyne Continental GO-300-A, B, C, D, E, F
<u>Part Name:</u> Ring, Piston, Compression 5.125X.109, <u>P/N:</u> AEL74241PL	Lycoming <u>P/N:</u> 74241	Test and computations approved under 14 CFR Part 21, Section 21.303(c)(4). <u>Dwg. No:</u> AEL74241PL <u>Rev:</u> A, <u>Dated:</u> 12/3/96, or later FAA approved revisions.	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, 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, E2E, E2F, E2G, E2H, E3D, E3H

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<u>Part Name:</u> Ring, Piston, Compression 5.125X.109, <u>P/N:</u> AEL74241PL	Lycoming <u>P/N:</u> 74241	Test and computations approved under 14 CFR Part 21, Section 21.303(c)(4). <u>Dwg. No:</u> AEL74241PL <u>Rev. A,</u> <u>Dated:</u> 12/3/96, or later FAA approved revisions.	Lycoming IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, C1F, D1A, D1AD, D1B, D1C, E1A, E1B, E2A, E2B, F1A Lycoming LIO-320-B1A, C1A Lycoming AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B Lycoming AIO-320-A1A, A1B, A2A, A2B, B1B, C1B, D1B, D2B, E1A, E1B, E2A, E2B Lycoming 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, B2A, B2B, C1A, Lycoming O-360-C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, D1A, D2A, D2B, F1A6, G1A6 Lycoming LO-360-A1G6D, A1H6 Lycoming TO-360-A1G6D, E1A6D Lycoming LTO-360-A1G6D, E1A6D Lycoming VO-360-A1A, A1B, B1A Lycoming HO-360-A1A, B1A, B1B, A1B6D, A1C, A1D, A1D6, A1D6D, A2A, A2B, A2C, A3B6D, B1A, B4A

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 Date Aug 28 1996

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<u>Part Name:</u> Ring, Piston, Compression 5.125X.109, <u>P/N:</u> AEL74241PL	Lycoming <u>P/N:</u> 74241	Test and computations approved under 14 CFR Part 21, Section 21.303(c)(4). <u>Dwg. No:</u> AEL74241PL <u>Rev:</u> A, <u>Dated:</u> 12/3/96, or later FAA approved revisions.	Lycoming IO-360- A1A, A1B, A1B6, A1B6D, A1C, A1D, A1D6D, A3B6D, A3D6D, A1E, C1E6D, J1A6D, B1B, B1C, B1D, B1E, B1F, B1F6, B2F, B2F6, C1A, C1B, C1C, C1C6, C1D6, C1E6, C1E6D, C1F, DA, E1A, F1A, J1AD, J1A6D, K2A Lycoming AIO-360-A1A, A2A, A1B, A1B6, A1C, A1D, A1E, A2B, A2C, B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A Lycoming TIO-360-A1A, A1B, A3B6, C1A6D Lycoming HIO-360-A1A, B1A, B1B, C1A, C1B, D1A, E1AD, E1BD, F1AD, C1A Lycoming O-480-1, 3 Lycoming GO-480-B, B1, B1A6, B1B, B1C, B1D, C1B6, C1D6, C2D6, C2E6, C3A6, D1A, D1B, D1AD, E1A6, F1A6, F2A6, F2D6, F3A6, F3B6, F4A6, F4B6, G1A6, G1B6, G1D6, G1E6, G1F6, G1G6, G1H6, G1J6, G2D6, G2F6 Lycoming IGO-480-A1A6, A1B6 Lycoming GSO-480-A1A6, A1C6, A2A6, B1A6, B1B3, B1B6, B1C6, B1E6, B1F6, B1G6, B1J6, B2C6, B2D6, B2G6, B2H6

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<u>Part Name:</u> Ring, Piston, Compression 5.125X.109, <u>P/N:</u> AEL74241PL	Lycoming <u>P/N:</u> 74241	Test and computations approved under 14 CFR Part 21, Section 21.303(c)(4). <u>Dwg. No:</u> AEL74241PL <u>Rev:</u> A, <u>Dated:</u> 12/3/96, or later FAA approved revisions.	Lycoming IGSO-480-A1A6, A1B6, A1C6, A1D6, A1E6, A1F6, A1G6\ Lycoming O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B2C5D, B4A5, B4B5D, D1A5, E1A, E4A5, E4B5, E4B5D, E4C5, F1A5, F1B5, G1A5, G1A5D Lycoming O-540-G2A5, H1A5, H1A5D, H1B5, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, L3C5D Lycoming O-540-J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5, J3A5D, J3C5D Lycoming VO-540-A1A, A2A, B1A, B1B, B1B3, B1C, B1D, B1E, B1F, B1G, B1H3, B2A, B2C, B2D, B2E, B2G, C1A, C1B, C1C3, C2A, C2B, C2C Lycoming IO-540-AA1A5, A1A5, A1B5, B1A5, B1B5, B1C5, C1B5, C4B5, C1C5, C4C5, C2C, C4D5D, D1B5, D4A5, D4B5, D4C5, E1A5, E1C5, G1A5, G1B5, G1C5, G1D5, G1E5, G1F5, J4A5, K1A5, K1A5D, K1B5D, K1C5, K1D5, D1E5, K1E5, K1E5D, K1F5, K1F5D, K1G5, K1G5D, K1H5, K1J5, K1J5D, K1K5, L1A5, L1A5D, L1B5D, L1C5, M1A5, M1A5D, M1B5D, M2A5D, N1A5, N1A5D, P1A5, R1A5, S1A5, T4A5, T4A5D, T4B5D, T4C5D, U1A5D, U1B5D, V4A5D, W1A5D, W3A5D

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<u>Part Name:</u> Ring, Piston, Compression 5.125X.109, <u>P/N:</u> AEL74241PL	Lycoming <u>P/N:</u> 74241	Test and computations approved under 14 CFR Part 21, Section 21.303(c)(4). <u>Dwg. No:</u> AEL74241PL <u>Rev:</u> A, <u>Dated:</u> 12/3/96, or later FAA approved revisions	Lycoming AEIO-540-D4A5, D4B5, D4C5, LIB5 Lycoming TVO-540-A1A Lycoming TIVO-540- A1A, A2A, A2B Lycoming TIO-540-AA1AD, AB1AD, AF1A, AF1AD, A1A, A1B, A2A, A2B, A2C, C1A, C1AD, E1A, E1B5, F2BD, G1A, H1A, J2B, J2BD, K1AD, N2BD, R2AD, S1AD, T2AD, U2A, V2AD, W2A Lycoming LTIO-540-F2BD, J2B, J2BD, K1AD, N2BD, R2AD, U2A, W2A Lycoming IG0-540-A1A, A1B, A1C, B1A, B1C Lycoming IGSO-540- A1A, A1C, A1D, A1E, A1F, A1H, B1A, B1C Lycoming TIO-541-A1A, E1A4, E1B4, E1C4, E1D4 Lycoming TIGO-541-D1A, D1B, E1A, G1AD Lycoming IO-720-A1B, A1BD, B1B, B1BD, C1B, C1BD, D1B, D1BD, D1C, D1CD

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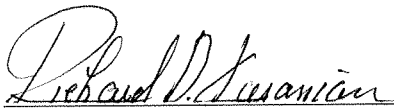
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Name and Part No.	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility
<u>Part Name:</u> Ring, Piston Compression 4.375X.091, <u>P/N:</u> AEL78862PL	Lycoming <u>P/N:</u> 78862	Test and computations approved under 14 CFR Part 21, Section 21.303(c)(4). <u>Dwg. No:</u> AEL78862PL <u>Rev.</u> I.R., <u>Dated:</u> 6/10/96, or later FAA approved revision.	Lycoming O-235-C1, C1B, C1C, C2A, C2B, C2C, E1, E1B, E2A, E2B, F1, F1B, F2A, F2B, G1, G1A, G1B, G2A, G2B, H2C, J2A, J2B, K2A, K2B, K2C, L2A, L2C, M1, M2C, M3C, N2A, N2C, P1, P2A, P2C, P3C

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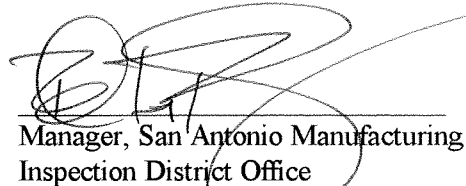
NOTE: Any major change to the design data (reference 14 CFR part 21 §§ 21.93 and 21.97) must be FAA approved before being incorporated in the finished part. Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted to the ACO at regular intervals and in a manner as determined by the ACO. The method shall be documented in appropriate company procedures.



Project Engineer
Special Certification Office, ASW-190

AUG 28 1998

Date: _____



Manager, San Antonio Manufacturing
Inspection District Office

AUG 28 1998

Date: _____