

**FEDERAL AVIATION ADMINISTRATION PARTS MANUFACTURER APPROVAL**

Airmotive Engineering Corp.  
 9503 Middlex  
 San Antonio, TX 78217

PMA No. PQ0003SW  
 Supplement No. 63  
 Revision No.  
 Date 6/21/2011  
 ACO Project No. PM9128SC-E

Part Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Seal, Oil	AEC25102	25102	Test and Computations per 14CFR21.303, Dwg.: AEC25102 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	E-165-2, 3, 4 E-185-1, 2, 3, 5, 8, 9, 10, 11 E-225-2, 4, 8, 9 O-200-A, B, C O-300-D, E GO-300-A, B, C, D, E, F IO-346-A, B IO-360-A, AB, B, C, CB, D, DB, ES, G, GB, H, HB, J, JB, K, KB TSIO-360-A, AB, B, BB, C, CB, D, DB, E, EB, F, FB, G, GB, H, HB, JB, KB, LB, MB, NB, PB, RB, SB LTSIO-360-E, EB, KB, RB O-470-4, 7, 7A, 7B, 11, 11-CI, 11B, 11B-CI, 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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, B, BA, BB, C, CB, D, E, F, J, K, L, M, MB, N, NB, P LIO-520-P TSIO-520-A, 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 GTSIO-520-C, D, E, F, H, K, L, M, N LTSIO-520-AE IO-550-A, B, C, D, E, F, G, L, N, P, R IOF-550-B, C, D, E, F, L, N, P, R TSIO-550-A, B, C, E, G TSIOL-550-A, B, C

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Seal, Oil	AEC531378	531378	Test and Computations per 14CFR21.303, Dwg.: AEC531378 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-B, B-CI, E, M, M-CI, N IO-470-A, D, L, LO, M, P, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-C, CB, E, M, MB TSIO-520-B, BB, D, DB, E, EB, J, JB, K, KB, L, LB, N, NB, U, UB, VB, WB GTSIO-520-C, D, E, F, H, K, L, M, N IO-550-A, B, C, E IOF-550-B, C, E TSIOL-550-A, B
Gasket, Felt Strip	AEC532364-0.50	532364-0.50	Test and Computations per 14CFR21.303, Dwg.: AEC532384 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-G, G-CI, P IO-470-C, H, J, K, N
Retaining Ring, Internal	AEC534715	534715	Test and Computations per 14CFR21.303, Dwg.: AEC534715 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-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 IO-470-C, D, E, F, G, H, J, K, L, M, N, P, R, S, U, V LIO-470-A TSIO-470-B, C, D IO-520-A, D, E, F, J, K, L TSIO-520-A, AF, C, G, H, M, P, R IO-550-D, E, F, L IOF-550-D, E, F, L
Seal, Oil	AEC534938	534938 531348	Test and Computations per 14CFR21.303, Dwg.: AEC534938 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	IO-360-ES TSIO-360-EB, F, FB, KB, MB, PB, RB, SB LTSIO-360-EB, KB, RB O-470-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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, D, E, F, J, K, L TSIO-520-AF, C, CE, G, H, M, P, R IO-550-D, E, F, L IOF-550-D, E, F, L

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Gasket, Oil Filler	AEC535823	635134 535823	Test and Computations per 14CFR21.303, Dwg.: AEC535823 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, D, E, F, J, K, L, P LIO-520-P TSIO-520-A, AE, AF, C, CE, G, H, M, P, R, T GTSIO-520-C, D, E, F, H, K, L, M, N LTSIO-520-AE IO-550-D, E, F, L IOF-550-D, E, F, L
Gasket, Temp. Control Valve	AEC625966	625966	Test and Computations per 14CFR21.303, Dwg.: AEC625966 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-B, B-CI, E, G, G-CI, J, H, K, K-CI, L, L-CI, M, M-CI, N, P, R, S, T, U IO-470-A, C, D, E, F, G, H, J, K, L, LO, N, P, R, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, D, E, F, J, K, L, P LIO-520-P TSIO-520-A, AE, C, G, H, M, P, R LTSIO-520-AE IO-550-D, E, F, L IOF-550-D, E, F, L
Gasket, Temp. Control Valve	AEC627496	627496	Test and Computations per 14CFR21.303, Dwg.: AEC627496 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	IO-240-B IOF-240-B GO-300-A, B, C, D, E, F IO-360-A, AB, B, C, CB, D, DB, ES, G, GB, H, HB, J, HB, K, KB TSIO-360-A, AB, B, BB, C, CB, D, DB, E, EB, F, FB, G, GB, H, HB, JB, KB, LB, MB, NB, PB, RB, SB LTSIO-360-E, EB, KB, RB O-470-M, M-CI, N IO-470-A, D, F, L, LO, U, V, VO IO-520-A, B, BA, BB, C, CB, D, E, F, J, K, L, M, MB, N, NB TSIO-520-A, B, BB, BE, C, D, DB, E, EB, G, H, J, JB, K, KB, L, LB, M, N, NB, P, R, U, UB, VB, WB GTSIO-520-C, D, E, F, H, K, L, M, N IO-550-A, B, C, D, E, F, G, L, N, P, R IOF-550-B, C, D, E, F, L, N, P, R TSIOL-550-A, B

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Gasket, Tach Drive Adapter	AEC632085	632085	Test and Computations per 14CFR21.303, Dwg.: AEC632085 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	A-65-1, 3, 6, 6J, 7, 8, 8F, 8FJ, 8J, 9, 9F, 9FJ, 9J, 12, 12F, 12FJ, 12J, 14, 14F, 14FJ, 14J A-75-3, 6, 6J, 8, 8F, 8FJ, 8J, 9, 9J C-75-8, 8F, 8FH, 8FHJ, 8FJ, 8J, 12, 12B, 12BF, 12BFH, 12F, 12FH, 12FHJ, 12FJ, 12J, 15, 15F C-85-8, 8F, 8FHJ, 8FJ, 8J, 12, 12F, 12FH, 12FHJ, 12FJ, 12J, 14F, 15, 15F C-90-8F, 8FJ, 12F, 12FH, 12FJ, 12FP, 14F, 14FH, 14FJ, 16F O-170-3, 5, 7 IO-346-A, B O-470-A, G, G-CI, H, P, R, S, T IO-470-C, E, F, G, H, J, K, N, R, S, T LIO-470-A IO-520-A, B, BA, BB, D, F, J, K, L, N, NB TSIO-520-A, AF, C, CE, D, DB, G, H, M, P, R, T, U, UB IO-550-D, F, G, L, N, P, R IOF-550-D, F, L, N, P, R
Gasket, Turbo	AEC636465	636465 632884	Test and Computations per 14CFR21.303, Dwg.: AEC636465 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	TSIO-360-MB, PB, RB, SB LTSIO-360-RB TSIO-520-B, BB, BE, E, EB, T, U, UB, VB TSIO-550-A, B, C, E, G

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Seal, Oil	AEC642714	642714 640087 530156 21163	Test and Computations per 14CFR21.303, Dwg.: AEC642714 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	A-65-1, 3, 6, 6J, 7, 8, 8F, 8FJ, 8J, 9, 9F, 9FJ, 9J, 12, 12F, 12FJ, 12J, 14, 14F, 14FJ, 14J A-75-3, 6, 6J, 8, 8F, 8FJ, 8J, 9, 9J C-75-8, 8F, 8FH, 8FHJ, 8FJ, 8J, 12, 12B, 12BF, 12BFH, 12F, 12FH, 12FHJ, 12FJ, 12J, 15, 15F C-85-8, 8F, 8FHJ, 8FJ, 8J, 12, 12F, 12FH, 12FHJ, 12FJ, 12J, 14F, 15, 15F C-90-8F, 8FJ, 12F, 12FH, 12FJ, 12FP, 14F, 14FH, 14FJ, 16F C-125-1, 2 C-145-2, 2H, 2HP E-165-2, 3, 4 E-185-1, 2, 3, 5, 8, 9, 10, 11 E-225-2, 4, 8, 9 O-170-3, 5, 7 O-200-A, B, C O-300-A, B, C, D, E GO-300-A, B, C, D, E, F IO-346-A, B O-470-7, 7A 7B, 11, 11-CI, 11B, 11B-CI, 13, 13A, 15, A, G, G-CI, H, J, K, K-CI, L, L-CI, P, R, S, T, U IO-470-C, E, F, G, H, J, K, N, R, S, T LIO-470-A TSIO-470-B IO-520-A, B, BA, BB, D, F, J, K, L, N, NB TSIO-520-A, AF, C, CE, D, DB, G, H, M, P, R, T, U, UB IO-550-D, F, G, L, N, P, R IOF-550-D, F, L, N, P, R

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Gasket, Magneto to Crankcase	AEC649954	649954 534750 10-400613	Test and Computations per 14CFR21.303, Dwg.: AEC649954 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-200-A, B, C IO-240-B IOF-240-B IO-346-A, B IO-360-A, AB, B, C, CB, D, DB, ES, G, GB, H, HB, J, HB, K, KB TSIO-360-A, AB, B, BB, C, CB, D, DB, E, EB, F, FB, G, GB, H, HB, JB, KB, LB, MB, NB, PB, RB, SB LTSIO-360-E, EB, KB, RB O-470-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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, B, BA, BB, C, CB, D, E, F, J, K, L, M, MB, N, NB, P LIO-520-P TSIO-520-A, 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 GTSIO-520-C, D, E, F, H, K, L, M, N LTSIO-520-AE IO-550-A, B, C, D, E, F, G, L, N, P, R IOF-550-B, C, D, E, F, L, N, P, R TSIO-550-A, B, C, E, G TSIOL-550-A, B, C
Gasket, Suction Tube Assy	AEC649956	649956 534940	Test and Computations per 14CFR21.303, Dwg.: AEC649956 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, D, E, F, J, K, L, P LIO-520-P TSIO-520-A, AE, AF, C, CE, G, H, M, P, R, T GTSIO-520-C, D, E, F, H, K, L, M, N LTSIO-520-AE IO-550-D, E, F, L IOF-550-D, E, F, L

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Gasket, Fuel Pump Adapter to Crankcase	AEC649957	649957 534941	Test and Computations per 14CFR21.303, Dwg.: AEC654957 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U LIO-470-A TSIO-470-B, C, D TSIO-520-A, C, G, H, P GTSIO-520-C, D, E, F, H, K
Gasket, Crankcase to Adapter	AEC649958	649958 535756	Test and Computations per 14CFR21.303, Dwg.: AEC649958 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	IO-470-P, T LIO-470-A IO-520-D, L TSIO-520-AF, C, CE, G, M, P, T IO-550-D, E, F, L IOF-550-D, E, F, L
Gasket, Crankcase to Plate	AEC649964	649964 625303 534749	Test and Computations per 14CFR21.303, Dwg.: AEC649964 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-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 IO-470-A, C, D, E, F, G, H, J, L, LO, M, N, R, S TSIO-470-B IO-520-A, D, E, F, J, K, L, P LIO-520-P TSIO-520-AE LTSIO-520-AE IO-550-L IOF-550-L
Gasket, Oil Pump	AEC649969	649969 538185	Test and Computations per 14CFR21.303, Dwg.: AEC649969 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, D, E, F, J, K, L TSIO-520-A, AF, C, G, H, M, P, R, T GTSIO-520-C, D, E, F, H, K, L, M, N IO-550-D, E, F IOF-550-D, E, F

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Gasket, Governor Pad	AEC649981	649981 641651 531083	Test and Computations per 14CFR21.303, Dwg.: AEC649981 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	GO-300-B, E, F IO-346-B IO-360-A, AB, B, C, CB, D, DB, ES, G, GB, H, HB, J, HB, K, KB TSIO-360-A, AB, B, BB, C, CB, D, DB, E, EB, F, FB, G, GB, H, HB, JB, KB, LB, MB, NB, PB, RB, SB LTSIO-360-E, EB, KB, RB O-470-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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, B, BA, BB, C, CB, D, E, F, J, K, L, M, MB, N, NB, P LIO-520-P TSIO-520-A, 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 GTSIO-520-C, D, E, F, H, K, L, M, N LTSIO-520-AE IO-550-A, D, E, F, G, L, N, P, R IOF-550-D, E, F, L, N, P, R TSIO-550-A, B, C, E, G TSIOL-550-A, B, C
Gasket, Fuel Pump to Crankcase	AEC649990	649990 631685	Test and Computations per 14CFR21.303, Dwg.: AEC649990 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	IO-470-V, VO IO-520-A, D, E, F, J, K, L, P LIO-520-P TSIO-520-AE, AF, CE, M, P, R, T GTSIO-520-L, M, N LTSIO-520-AE IO-550-D, E, F, L IOF-550-D, E, F, L
Gasket, Oil Filter	AEC649991	649991 632266 629384	Test and Computations per 14CFR21.303, Dwg.: AEC649991 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	IO-520-B, BA, BB, C, CB, M, MB, N, NB TSIO-520-B, BB, BE, CE, D, DB, E, EB, J, JB, K, KB, L, LB, N, NB, U, UB, VB, WB IO-550-A, B, C, G, N, P, R IOF-550-B, C, N, P, R TSIOL-550-A, B, C

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Gasket, Starter	AEC652077	652077 534316	Test and Computations per 14CFR21.303, Dwg.: AEC652077 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-A, P
Gasket, Plate to Crank-case	AEC652079	652079 626341	Test and Computations per 14CFR21.303, Dwg.: AEC652079 Rev.: IR Dated: 04/11/09, or later FAA-approved revision.	Continental	O-470-M, M-CI, N, R, S, T, U IO-470-A, D, F, K, L, LO, N, U, V, VO TSIO-470-B, C, D IO-520-A, D, E, F, J, K, L TSIO-520-A, C, G, H, M, P, R, T IO-550-D, E, F, L IOF-550-D, E, F, L
Gasket, Oil Pump	AEC652084	652084 643168	Test and Computations per 14CFR21.303, Dwg.: AEC652084 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	IO-520-P LIO-520-P TSIO-520-AE LTSIO-520-AE
Gasket, Turbo Inlet	AEC652100	652100 642658	Test and Computations per 14CFR21.303, Dwg.: AEC652100 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	TSIO-360-MB, PB, RB, SB LTSIO-360-RB TSIO-520-BE, T TSIO-550-A, B, C, E, G TSIOL-550-C
Gasket, Turbo Oil Outlet	AEC652101	652101 642657	Test and Computations per 14CFR21.303, Dwg.: AEC652101 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	TSIO-360-MB, PB, RB, SB LTSIO-360-RB TSIO-520-BE, T TSIO-550-A, B, C, E, G
Gasket, Manifold	AEC652137	652137 630421 35985	Test and Computations per 14CFR21.303, Dwg.: AEC652137 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	E-165-2, 3, 4 E-185-1, 2, 3, 5, 8, 9, 10, 11 E-225-2, 4, 8, 9 TSIO-360-A, AB, B, E, EB, F, FB, GB, H, HB, JB, KB, LB, MB, PB, NB LTSIO-360-E, EB, KB O-470-7, 7A 7B, 11, 11-CI, 11B, 11B-CI, 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 IO-470-A, C, H, J

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Gasket, Throttle Body	AEC652145	652145 642662	Test and Computations per 14CFR21.303, Dwg.: AEC652145 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	TSIO-520-T
Gasket, Carburetor Air Scoop	AEC652158	652158 25135	Test and Computations per 14CFR21.303, Dwg.: AEC652158 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	E-165-2, 3, 4 E-185-1, 2, 3, 5, 8, 9, 10, 11 E-225-2, 4, 8, 9 O-470-7, 7A 7B, 11, 11-CI, 11B, 11B-CI, B, B-CI, E, M, M-CI, N
Gasket, Air Throttle Body	AEC652163	652163 627368	Test and Computations per 14CFR21.303, Dwg.: AEC652163 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	IO-470-D, E, G, L, LO, M, N, P, R, U, V, VO IO-520-C, CB, E IO-550-C, E, F IOF-550-C, E, F
Gasket, Oil Filler Neck	AEC652191	652191 538804	Test and Computations per 14CFR21.303, Dwg.: AEC652191 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, D, E, F, J, K, L, P LIO-520-P TSIO-520-A, AE, AF, C, CE, G, H, M, P, R, T GTSIO-520-C, D, E, F, H, K, L, M, N LTSIO-520-AE IO-550-D, E, F, L IOF-550-D, E, F, L TSIOL-550-A, B
Gasket, Cross-Pipe	AEC652456	652456 649425 642520	Test and Computations per 14CFR21.303, Dwg.: AEC652456 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	TSIO-520-BE, T, U, UB TSIO-550-A, B, C, E, G TSIOL-550-B, C

Part Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Gasket, Turbo Oil Inlet Adapter	AEC653006	653006 628572	Test and Computations per 14CFR21.303, Dwg.: AEC653006 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	TSIO-470-B, C, D TSIO-520-B, BB, CE, D, DB, E, EB, J, JB, K, KB, L, LB, N, NB, T, U, UB, VB, WB GTSIO-520-C, D, E, F, H, K, L, M, N TSIOL-550-A, B
Gasket, Cover to Cover	AEC653023	653023 535885	Test and Computations per 14CFR21.303, Dwg.: AEC653023 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-B, B-CI, E, M, M-CI, N IO-470-A, D, L, LO, M, P, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-C, CB, E, M, MB TSIO-520-B, BB, E, EB, J, JB, K, KB, L, LB, N, NB, VB, WB GTSIO-520-L, M, N IO-550-A, B, C, E IOF-550-B, C, E TSIOL-550-A, B
Gasket, Oil Pump	AEC653387	653387 643749	Test and Computations per 14CFR21.303, Dwg.: AEC653387 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-S, T, U IO-470-J, K IO-520-D, E, F, L TSIO-520-A, AF, C, CE, G, H, M, P, R IO-550-D, E, F, L IOF-550-D, E, F, L
Gasket, Camshaft Cover	AEC653415	653415 629202	Test and Computations per 14CFR21.303, Dwg.: AEC653415 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	IO-240-A, B IOF-240-B IO-346-A, B TSIO-360-RB, SB LTSIO-360-RB O-470-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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, B, BA, BB, C, CB, D, E, F, J, K, L, M, MB, N, NB, P LIO-520-P TSIO-520-A, 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 GTSIO-520-C, D, E, F, H, K, L, M, N LTSIO-520-AE IO-550-A, B, C, D, E, F, G, L, N, P, R IOF-550-B, C, D, E, F, L, N, P, R TSIO-550-A, B, C, E, G TSIOL-550-A, B, C

Part Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Gasket, Starter Adapter to Crankcase	AEC653470	653470 653372	Test and Computations per 14CFR21.303, Dwg.: AEC653470 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	TSIO-470-B, C, D TSIO-520-BE IO-550-N IOF-550-N TSIO-550-A, B, C, E, G TSIOL-550-C
Gasket, Accessory Drive	AEC653487	653487 653152 MS9134-01 AN4045-1	Test and Computations per 14CFR21.303, Dwg.: AEC653487 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	E-185-1, 2, 3, 5, 8, 9, 10, 11 E-225-2, 4, 8, 9 O-200-A, B, C IO-240-A, B IOF-240-B O-300-D, E GO-300-A, B, C, D, E, F IO-346-A, B IO-360-A, AB, B, C, CB, D, DB, ES, G, GB, H, HB, J, HB, K, KB TSIO-360-A, AB, B, BB, C, CB, D, DB, E, EB, F, FB, G, GB, H, HB, JB, KB, LB, MB, NB, PB, RB, SB LTSIO-360-E, EB, KB, RB O-470-4, 7, 7A, 7B, 11, 11-CI, 11B, 11B-CI, 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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, B, BA, BB, C, CB, D, E, F, J, K, L, M, MB, N, NB, P LIO-520-P TSIO-520-A, 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 GTSIO-520-C, D, E, F, H, K, L, M, N LTSIO-520-AE IO-550-A, B, C, D, E, F, G, L, N, P, R IOF-550-B, C, D, E, F, L, N, P, R TSIO-550-A, B, C, E, G TSIOL-550-A, B, C
Gasket, Turbo Adapter	AEC653741	653741 629159	Test and Computations per 14CFR21.303, Dwg.: AEC653741 Rev.: IR Dated: 06/12/09, or later FAA-approved revision.	Continental	TSIO-470-B, C, D GTSIO-520-C

Part Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Gasket, Air Throttle	AEC653742	653742 630350	Test and Computations per 14CFR21.303, Dwg.: AEC653742 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	IO-470-S IO-520-A, F, J, K, L TSIO-520-A, AF, C, CE, G, H, M, P, R IO-550-F, L IOF-550-F, L
Gasket, Adapter to Crankcase	AEC653749	653749 537745 534817	Test and Computations per 14CFR21.303, Dwg.: AEC653749 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, D, E, F, J, K, L, P LIO-520-P TSIO-520-A, AE, AF, C, CE, G, H, M, P, R, T GTSIO-520-C, D, E, F, H, K, L, M, N LTSIO-520-AE IO-550-D, E, F, L IOF-550-D, E, F, L
Gasket, Cover to Adapter	AEC653750	653750 537749 534816	Test and Computations per 14CFR21.303, Dwg.: AEC653750 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, D, E, F, J, K, L TSIO-520-A, AF, C, G, H, M, P, R IO-550-D, E, F, L IOF-550-D, E, F, L

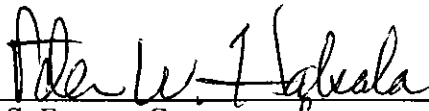
Part Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Gasket, Magneto and Accessory Drive	AEC654012	654012 649955 534863	Test and Computations per 14CFR21.303, Dwg.: AEC654012 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	IO-346-A, B O-470-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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, B, BA, BB, C, CB, D, E, F, J, K, L, M, MB, N, NB, P LIO-520-P TSIO-520-A, 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 GTSIO-520-C, D, E, F, H, K, L, M, N LTSIO-520-AE IO-550-A, B, C, D, E, F, G, L, N, P, R IOF-550-B, C, D, E, F, L, N, P, R TSIO-550-A, B, C, E, G TSIOL-550-A, B, C
Gasket, Oil Cooler to Plate	AEC654117	654117 652080 632372 625017	Test and Computations per 14CFR21.303, Dwg.: AEC654117 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	GO-300-A, B, C, D, E, F IO-360-A, AB, B, C, CB, D, DB, ES, G, GB, H, HB, J, HB, K, KB TSIO-360-A, AB, B, BB, C, CB, D, DB, E, EB, F, FB, G, GB, H, HB, JB, KB, LB, MB, NB, PB, RB, SB LTSIO-360-E, EB, KB, RB O-470-G, G-CI, H, K, K-CI, L, L-CI, P, R, S, T, U IO-470-C, E, G, H, J, K, N, R, S
Gasket, Oil Cooler to Plate	AEC654554	654554 652650	Test and Computations per 14CFR21.303, Dwg.: AEC654554 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	IO-470-D, E, F, H, J, K, L, LO, M, N, S, U IO-520-A, D, E, F, L, P LIO-520-P TSIO-520-A, AE, C, G, H, M, P, R, T LTSIO-520-AE IO-550-D, E, F, L IOF-550-D, E, F, L
Gasket, Oil Cooler	AEC654555	654555 652624 537282	Test and Computations per 14CFR21.303, Dwg.: AEC654555 Rev.: IR Dated: 04/11/09, or later FAA-approved revision.	Continental	O-470-B, B-CI, M, M-CI, N, R IO-470-A, D, F, J, K, L, LO, M TSIO-470-B IO-520-A, D, E, F, J, K, L, P LIO-520-P TSIO-520-AE LTSIO-520-AE

Part Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Gasket, Oil Cooler to Plate	AEC654560	654560 652082 626342	Test and Computations per 14CFR21.303, Dwg.: AEC654560 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-M, M-CI, N IO-470-D, L, LO, U, V, VO TSIO-470-B, C, D IO-520-A, D, E, F, J, K, L TSIO-520-A, C, G, H, M, P, R
Gasket, Flange	AEC654828	654828 652189 534740 641650 635928	Test and Computations per 14CFR21.303, Dwg.: AEC654828 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	IO-346-A, B O-470-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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, B, BA, BB, C, CB, D, E, F, J, K, L, M, MB, N, NB, P LIO-520-P TSIO-520-A, AE, AF, B, BB, C, CE, D, DB, E, EB, G, H, J, JB, K, KB, L, LB, M, N, NB, P, R, T, U, UB, VB, WB GTSIO-520-C, D, E, F, H, K, L, M, N LTSIO-520-AE IO-550-A, B, C, D, E, F, G, L, N, P, R IOF-550-B, C, D, E, F, L, N, P, R TSIO-550-A, B, C, E, G TSIOL-550-A, B
Gasket, Oil Sump	AEC655546	655546 653528 649971 534743	Test and Computations per 14CFR21.303, Dwg.: AEC655546 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	O-470-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 IO-470-A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO LIO-470-A TSIO-470-B, C, D IO-520-A, B, BA, BB, C, CB, D, E, F, J, K, L, M, MB, N, NB, P LIO-520-P TSIO-520-A, 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 GTSIO-520-C, D, E, F, H, K, L, M, N LTSIO-520-AE IO-550-A, B, C, D, E, F, G, L, N, P, R IOF-550-B, C, D, E, F, L, N, P, R TSIO-550-A, B, C, E, G TSIOL-550-A, B, C

Part Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Gasket, Governor Pad	AEC656016	656016 649199	Test and Computations per 14CFR21.303, Dwg.: AEC656016 Rev.: IR Dated: 05/31/09, or later FAA-approved revision.	Continental	IO-470-J, K

End of Listing

- NOTE 1: Minor design changes (reference 14CFR part 21 § 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14CFR part 21 § 21.93 and 21.95) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.
- NOTE 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 14CFR21.50.

  
S. Frances Cox

for  
Manager, Special Certification Office,  
ASW-190

6/11/11  
Date



Ford Lauer  
Manager, Manufacturing Inspection  
District Office, SW MIDO-43

6/21/11  
Date

This supplement is an attachment to your FAA-PMA approval letter dated: May 6, 2005