



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

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Aviation Products Systems, Inc
3701 Highway 162
Granite City, IL 62040

PMA No: PQ3830CE
Supplement No. 19
June 27, 2012

<u>Article Name</u>	<u>Part Number</u>	<u>Approved Replacement for Part Number</u>	<u>Approval Basis and Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Gasket	APS-655704-S	655704	Test and Computations 14 CFR § 21.303 DWG No: APS-655704-S Rev: A Date: 2/27/2012 or later FAA-approved Revisions.	Continental	IO240 Series, IO360 Series, TSIO360 Series
Gasket	APS-653193-S	653193	Test and Computations 14 CFR § 21.303 DWG No: APS-653193-S Rev: A Date: 2/27/2012 or later FAA-approved Revisions.	Continental	E165 Series, E185 Series, E225 Series 0470 A, E, J IO470 J, K L/TSIO 520-AE
Gasket	APS-655528-S	655528	Test and Computations 14 CFR § 21.303 DWG No: APS-655528-S Rev: A Date: 2/27/2012 or later FAA-approved Revisions.	Continental	0470 -G, K, L, R, S, U IO470 -D, E, F, H, L, M, N, S, U, V TSIO470 -B, C, E IO520 All Models TSIO520 -AF, CE, UB, B, BB, C, D, DB, E, EB, G, H, J, JB, K, KB, L, LB, M, N, NB, P, R, T, VB, WB IO550 A, B, C, D, E, F, L

Gasket	APS-658263-S	658263	Test and Computations 14 CFR § 21.303 DWG No: APS-658263-S Rev: A Date: 2/27/2012 or later FAA-approved revisions	Continental	TSIO520 BE IO550 G,N,P,R TSIO550 A,B,C,E,K GTSIO520 C,D,F,H,K,L,M, N
Gasket	APS-75906-S	75906	Test and Computations 14 CFR § 21.303 DWG No: APS-75906-S Rev: A Date: 2/27/2012 or later FAA-approved Revisions.	Lycoming	0235 Series 0290 Series 0320 Series 0340 Series 0360 -A1A, A1AD, A1C, A1D, A1F, 1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1J, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A4A, A3AD, A4AD, A4D, A4G, A4J, A4JD, A4K, A4M, A4N, A4P, A5AD, A3A, B2A, C1A, C1C, C1E, C1F, C1G, C2A, C2C, C2D, C2E, C4F, C4PF1A6, G1A6 0360 B2A, D2A, D2B LO360 AIG6D, AIH6, E1A6D IO360 B1B, B1BD, B1D, B1E, B1F, B1G6, B2E, B2F, B2F6,B4A, L2A, M1A, M1B AEIO360 B1B, BAF, B1H, B1G6, B2F, B4A, H1A, H1B HIO360 B1A, G1A HO360 C1A 0540 A4D5, E4A5, E4B5, E4B5D, E4C5, G1A5, G1A5D, G2A5, HIB5D, H2B5D IO540 C4B5, C4B5D, C4D5D, D4A5, D4B5, D4C5, NIA5, NIA5D, T4B5D, E4C5D, V4A5D, V4A5,

AEIO540 D4A5,
D4B5, D4D5
0540 B1A5,
B1B5, B2A5,
B2B5, B2C5,
B2B5
O-540: J2A,
F1B5, J1A5D,
J1C5D, J2A5D,
J3A5, J3A5D,
J3C5D
IO-540 -W1A5,
W1A5D,
W3A5D, AB1A5
O-540 -L3C5D
TIO-540 -C1A,
E1A, H1A
TIO-540 -
AA1AD,
AB1AD,
AB1BD, AF1A,
AG1A, K1AD,
AF1B.

Gasket

APS-67193-S

67193

Test and Computations
14 CFR § 21.303
DWG No: APS-67193-S
Rev: A
Date: 2/27/2012
or later FAA-approved
revisions

Lycoming

IO-360: A1A,
IB, A1B6,
A1B6D, A1C,
A1C6, A1D,
A1D6, A2A,
A2B, A2C,
A3B6, A3B6D,
A2D6D,
A3D6D, C1A,
C1B, C1C,
C1C6, C1D6,
C1E6, C1E6D,
C1G6, D1A,
J1A6D, K2A
AIO-360: A1A,
A1B, B1B
AEIO-360: A1A,
A1B, A1B6,
A1D, A1E,
A1E6, A2B
LIO-360: C1E,
C1E6, C1E6D
IO-540: K1A5,
K1A5D, K1B5,
K1D5, K1F5,
K1F5D, K1G5
K1G5D, K1H5,
K1J5, K1J5D,
K1G5D, K1H5,
K1J5, K1J5D,
K1K5, L1A5D,
L1C5, AE1A5
AEIO-540:
L1B5, L1B5D,
L1D5
IO-540: AA1A5,
AA1B5
TIO-540: U2A

LTIO-540: U2A
 IGSO-540: A1A,
 A1C, A1D, A1E,
 A1H
 TIO-540: AE2A,
 AH1A
 HIO-540: A1A
 IO-720: A1A,
 A1B, D1B, D1C,
 D1CD
 TIVO-540: A2A,
 A2B
 IVO-540: A1A
 VO-540: A1A,
 B1A, B1B,
 B1B3, B1C,
 B1D, B1F, B1G,
 B2D, C1A, C1B,
 C1C3, C2A, C2C
 TVO-540: A1A
 VO-435: A1D,
 A1C, A1A, A1E,
 A1F, B1A
 TVO-435: A1A,
 B1A, B1B, D1A,
 D1B, F1A, G1A,
 G1B
 GO-435: C2
 TIO-541
 E1A4,E1B4,
 E1C4,EAD4
 TIGO-541 E1A
 TIO-540: V2AD
 LTIO-540:
 V2AD
 TO360 C1A6D
 IO-360: F1A
 IO-540: J4A5

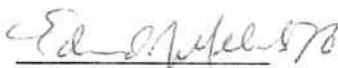
Gasket	APS-76036-S	76036	Test and Computations 14 CFR § 21.303 DWG No: APS-76036-S Rev: A Date: 2/27/2012 or later FAA-approved Revisions.	Lycoming	TIO-541 E1A4,E1B4, E1C4,EAD4 TIGO-541 E1A TIO-540: V2AD LTIO-540: V2AD TO360 C1A6D IO-360: F1A IO-540: J4A5
Gasket	APS-71450-S	71450	Test and Computations 14 CFR § 21.303 DWG No: APS-71450-S Rev: A Date: 2/27/2012 or later FAA-approved Revisions.	Lycoming	TIO-540: A1A, A1B, A2B,A2C, F2BD, J2B,J2BD, N2BD, R2AD, S1AD LTIO-540: F2BD, J2B,J2BD, N2BD,R2AD IO-540: B1A5,B1C5,

E1A5,E1B5
IO-720: B1B,
B1BD, C1B
IO-540:
M1A5D,M1B5,
M1B5D,U1A5D,
U1B5D
IGO-540:
B1A,B1C
IGSO-540:
B1A,B1C

Gasket	APS-655706-S	655706	Test and Computations 14 CFR § 21.303 DWG No: APS-655706-S Rev A Date: 2/27/2012 or later FAA-approved revisions	Continental	A40 Series, A50 Series, A65 Series, A70 Series, A75 Series, A80 Series, C75 Series, C85 Series C90 Series, C125 Series, C145 Series, 0200 Series 0300 Series, GO300 Series.
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-----End of Listing-----

Note: The procedures that have been accepted by the type certificate or TSO authorization holder and their cognizant FAA Aircraft Certification Office, for minor changes to original articles used on type-certificated products, are also acceptable for incorporating the same minor changes on identical PMA replacement articles. The PMA holder must be able to show traceability relating to the TC, STC, or TSO authorization holder on all minor changes incorporated by this procedure. When these procedures are no longer applicable because of completion of the production contract, or termination of the licensing agreement or business relationship, all subsequent minor design changes to the PMA articles must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR §21.319) to drawings and specifications are to be handled in the same manner as that for an original PMA.


for Tilak Nandipati,
Manager, Kansas City,
Manufacturing Inspection District Office

June 27, 2012

Date: