

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Whelen Engineering Company, Inc.
 51 Winthrop Road
 Chester, CT. 06412-0684

PMA NO. PQ0610NE
 SUPPLEMENT NO. 38
 DATE June 14, 2011

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility* ¹
LED PAR46 Landing Light	01-0790623-10	01-0790623-10	Identity per 14 CFR, § 21.303, licensing agreement between Whelen Engineering Company Inc. and Floats Alaska, LLC, Assist Letter, dated May 19, 2011 <u>DWG No:</u> 90623 <u>Rev:</u> C <u>Date:</u> 1/10/11 or later FAA-approved revisions	Aermacchi S.p.A.	S.205-18/F, S.205-18/R, S.205-20/F, S.205-20/R, S.205-22/R, S.208, S.208A
				Aermacchi S.p.A.	F.260, F.260B, F.260C, F.260D, F.260E, F.260F
				Aerostar Aircraft Corp.	PA-60-600 (AEROSTAR 600), PA-60-601 (AEROSTAR 601), PA-60-601P (AEROSTAR 601P), PA-60-602P (AEROSTAR 602P), PA-60-700P (AEROSTAR 700P)
				Agusta S.p.A.	S.210
				Alexandria Aircraft, LLC	14-19, 14-19-2, 14-19-3, 14-19-3A, 17-30, 17-31, 17-31TC
				Alexandria Aircraft, LLC	17-30A, 17-31A, 17-31ATC
				Allied Ag Cat Productions, Inc.	G-164, G-164A, G-164B, G-164B With 73", G-164B-15T, G-164B-34T, G-164B-20T, G-164C, G-164D, G-164D with 73" wing gap
American Champion Aircraft Corp.	7ECA, 7GCAA, 7GCBC				

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				American Champion Aircraft Corp.	7AC, 7ACA, S7AC, 7BCM (L-16A), 7CCM (L-16B), S7CCM, 7DC, S7DC, 7EC, S7EC, 7FC, 7GC, 7GCA, 7GCB, 7GCBA, 7HC, 7JC, 7KC, 7KCAB
				American Champion Aircraft Corp.	11AC, S11AC, 11BC, S11BC
				American Champion Aircraft Corp.	11CC, S11CC
				American Champion Aircraft Corp.	402
				American Champion Aircraft Corp.	8KCAB, 8GCBC
				Atlantic Coast Seaplanes LLC	G-21C, G-21D, G-21E, G-21G
				Bellanca Aircraft Corp.	14-13, 14-13-2, 14-13-3, 14-13-3W
				B-N Group Ltd.	BN2A MK. III, BN2A MK. III-2, BN2A MK. III-3
				B-N Group Ltd.	BN-2, BN-2A, BN-2A-2, BN-2A-3, BN-2A-6, BN-2A-8, BN-2A-9, BN-2A-20, BN-2A-21, BN-2A-26, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-27, BN-2T, BN-2B-26, BN-2T-4R

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				Boeing Airplane Company	A75L3, 75 (Army PT-13), A75 (Army PT-13A, PT-13B, PT-13C), B75 (Navy N2S-5), E75 (Army PT-13D, Navy N2S-5, PT13D/N2S-5), A75J1 (Army PT-18), A75L300, A75N1 (Army PT-17, PT -17A; Navy N2S1, N2S1-4), B75N1 (Navy N2S-3), D75N1 (Army PT-27), IB75A, E75N1
				Burl A. Rogers (Aeronca)	15AC, S15AC
				Cessna Aircraft Company	LC40-550FG, LC42-550FG, LC41-550FG
				Cessna Aircraft Company	C-145, C-165 (ARMY UC-94)
				Cessna Aircraft Company	120, 140
				Cessna Aircraft Company	140A
				Cessna Aircraft Company	150, 150A, 150B, 150C, 150D, 150E, 150F, 150G, 150H, 150J, 150K, A150K, 152, A152
				Cessna Aircraft Company	150L, 150M, A150L, A150M
				Cessna Aircraft Company	170, 170A, 170B
				Cessna Aircraft Company	172, 172A, 172B, 172C, 172D, 172E, 172F (USAF T-41A), 172G (USAF T-41A), 172H, , 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S

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				Cessna Aircraft Company	175, 175A, 175B, 175C, P172D, R172E (USAF T-41B, T-41C and D), R172F (USAF T-41D), R172G USAF T-41C or D), R172H USAF T-41D), R172J, R172K, 172RG
				Cessna Aircraft Company	177, 177A, 177B
				Cessna Aircraft Company	177RG
				Cessna Aircraft Company	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K
				Cessna Aircraft Company	182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, 182S, 182T, R182, T182, TR182, T182T
				Cessna Aircraft Company	185, 185A, 185B, 185C, 185D, 185E, A185E, A185F
				Cessna Aircraft Company	188, 188A, 188B, A188, A188A, A188B, T188C
				Cessna Aircraft Company	190, 195 (LC-126A, B,C), 195A, 195B

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				Cessna Aircraft Company	206, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G, 206H, P206, P206A, P206B, P206C, P206D, P206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, T206H TP206A, TP206B, TP206C, TP206D, TP206E
				Cessna Aircraft Company	207, 207A, T207, T207A
				Cessna Aircraft Company	208, 208B
				Cessna Aircraft Company	210, 210A, 210B, 210C, 210D, 210E, 210F, T210F, 210G, T210G, 210H, T210H, 210J, T210J, 210K, T210K, 210L, T210L, 210M, T210M, 210N, P210N, T210N, 210R, P210R, T210R, 210-5 (205), 210-5A (205A)
				Cessna Aircraft Company	321(Navy OE-2)
				Cessna Aircraft Company	T-50 (Army AT-17, UC-78 series, Navy JRC-1)
				Cessna Aircraft Company	T303
				Cessna Aircraft Company	310, 310A (USAF U-3A), 310B, 310C, 310D, 310E (USAF U-3B), 310F, 310G, 310H, E310H, 310I, 310J, 310J-1, E310J, 310K, 310L, 310N, 310P, 310Q, 310R, T310P, T310Q, T310R

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				Cessna Aircraft Company	320, 320-1, 320A, 320B, 320C, 320D, 320E, 320F, 335, 340, 340A
				Cessna Aircraft Company	336
				Cessna Aircraft Company	337, 337A (USAF 02B), 337B, 337C, 337D, 337E, 337F, 337G, 337H, M337B (USAF 02A), T337B, T337C, T337D, T337F, T337G, T337H, T337H-SP, P337H
				Cessna Aircraft Company	T337E
				Cessna Aircraft Company	401, 401A, 401B, 402, 402A, 402B, 402C, 411, 411A, 414, 414A, 421, 421A, 421B, 421C, 425
				Cessna Aircraft Company	404, 406
				Cessna Aircraft Company (Reims Aviation S.A.)	F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P
				Cessna Aircraft Company (Reims Aviation S.A.)	F150G, F150H, F150J, F150K, F150L, FA150L, FRA150L, F150M, FRA150M, FA152
				Cessna Aircraft Company (Reims Aviation S.A.)	F150F, FA150K, FA150M, F152
				Cessna Aircraft Company (Reims Aviation S.A.)	FR172E, FR172F, FR172G, FR172H, FR172J, FR172K
				Cessna Aircraft Company (Reims Aviation S.A.)	F182P, F182Q, FR182

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				Cessna Aircraft Company (Reims Aviation S.A.)	F337E, FT337E
				Cessna Aircraft Company (Reims Aviation S.A.)	F337F, FT337F, F337G, FT337GP, F337H, FT337HP
				Cessna Aircraft Company (Reims Aviation S.A.)	F177RG
				CPAC, Inc.	112, 114, 112TC, 112B, 112TCA, 114A, 114B, 114TC
				Cub Crafters, Inc.	CC18-180, CC18-180A
				Diamond Aircraft Industries GmbH	DA 40, DA 40F
				Diamond Aircraft Industries GmbH	DA 42, DA 42 NG, DA 42 M-NG
				Diamond Aircraft Industries Inc.	DA20-A1, DA20-C1
				Found Aircraft Canada, Inc.	FBA-2C, FBA-2C1, FBA-2C2, FBA-2C3
				Found Brothers Aviation Limited	FBA Centennial "100"
				FS 2001 Corp (Piper)	J5A (Army L-4F), J5A-80, J5B (Army L-4G), J5C, AE-1, HE-1
				FS 2002 Corporation. (Piper)	PA-14
				FS 2003 Corporation (Piper)	PA-12, PA-12S
				GA 8 Airvan (Pty) Ltd	GA8, GA8-TC320
				Grumman	G-21, G-21A (Army OA-9, Navy JRF-1, JRF-2, JRF-4, JRF-5, JRF-6B)

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				Gulfstream Aerospace Corporation	111
				Gulfstream American Corporation	G-44 (Army OA-14, Navy J4F -2), G-44A, SCAN Type 30
				Hawker Beechcraft Corporation	C-18S (Army C-45, C-45A., C-45F, UC-45B, UC-45F, AT-7, AT-7A, AT-7B, AT-7C; Navy JRB-1, JRB-2, JRB-3, JRB-4, SNB-2, SNB-2C)
				Hawker Beechcraft Corporation	3N, 3NM, 3TM, JRB-6, D18C, D18S, E18S, RC-45J (SNB-5P), E18S-9700, G18S, H18, C-45G, TC-45G, C-45H, TC-45H, TC-45J or UC-45J (SNB-5)
				Hawker Beechcraft Corporation	19A, B19, M19A, 23, A23, A23A, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R
				Hawker Beechcraft Corporation	T-34C (T-34C-1) (34C)
				Hawker Beechcraft Corporation	35, A35, B35, C35, D35, E35, F35, G35, 35R
				Hawker Beechcraft Corporation	35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, E33A, E33C, F33, F33A., F33C, G33, H35, G36, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 36, A36, A36TC, B36TC
				Hawker Beechcraft Corporation	45 (YT-34), A45 (T-34A, B-45) D45 (T-34B)

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				Hawker Beechcraft Corporation	B95A, D95A, E95, 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B (T-42), 95-C55, 95-C55A, G58, D55, D55A, E55, E55A, 56TC, A56TC, 58, 58A, 95, B95
				Hawker Beechcraft Corporation	99, 99A, 99A (FACH), A99, A99A, B99, C99, 100, A100 (U-21F), A100A, A100C, B100
				Hawker Beechcraft Corporation	58P, 58PA, 58TC, 58TCA
				Hawker Beechcraft Corporation	76
				Hawker Beechcraft Corporation	77
				Hawker Beechcraft Corporation	60, A60, B60
				Hawker Beechcraft Corporation	50 (L-23A), B50 (L-23B), C50, D50 (L-23E), D50A, D50B, D50C, D50E, D50E-5990, E50 (L-23D, RL23D), F50, G50, H50, J50
				Helio Aircraft, LLC	H-250, H-295(USAF U-10D), HT-295, H-391(USAF YL-24), H-391B, H-395(USAF L-28A or U-10B), H-395A
				Helio Aircraft, LLC	H-700, H-800
				LAVIA ARGENTINA S.A. (LAVIASA)	PA-25, PA-25-235, PA-25-260 (Restricted Category Only)

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				LAVIA ARGENTINA S.A. (LAVIASA)	PA-25, PA-25-235, PA-25-260
				Maule Aerospace Technology, Inc	BEE DEE M-4, M-4, M-4C, M-4S, M-4T, M-4-180C, M-4-180S, M-4- 180T, M-4-210, M-4-210C, M-4-210S, M-4-210T, M-4-220, M-4-220C, M-4-220S, M-4-220T, M-5-180C, M-5-200, M-5-210C, M-5-210TC, M-5-220C, M-5-235C, M-6-180, M-6-235, M-7-235, MX-7-180, MX-7-235, MX-7-180, MX-7-420, MXT-7-180, MT-7-235, M-8-235, MX-7-160, MXT-7-160, MX-7-180A, MXT-7-180A, MX-7-180B, M-7-235B, M-7-235A, M-7-235C, MX-7-180C, M-7-260, M-7-260C, M-7-420AC, MX-7-160C, MX-7-180AC, M-7-420A, MT-7-420
				Mooney Aircraft Corporation	M22
				Mooney Airplane Company, Inc.	M20, M20A, M20B, M20C, M20D, M20E, M20F, M20G, M20J, M20K, M20M, M20R, M20S, M20TN

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				Pilatus Aircraft Ltd.	PC-6, PC-6H1, PC-6H2, PC-6/350, PC-6/350-H1, PC-6/350-H2, PC-6/A, PC-6/A-H1, PC-6/A-H2, PC-6/B-H2, PC-6/B1-H2, PC-6/B2-H2, PC-6/B2-H4, PC-6/C-H2, PC-6/C1-H2
				Piper Aircraft, Inc.	J3C-40, J3C-50, J3C-50S, J3C-65, J3C-65S, PA-11, PA-11S
				Piper Aircraft, Inc.	J3F-50, J3F-50S, J3F-60, J3F-60S, J3F-65 (Army L-4D), J3F-65S
				Piper Aircraft, Inc.	J3L, J3L-S, J3L-65 (Army L-4C), J3L-65S
				Piper Aircraft, Inc.	J4, J4A, J4A-S
				Piper Aircraft, Inc.	J4E (Army L-4E)
				Piper Aircraft, Inc.	PA-16, PA-16S
				Piper Aircraft, Inc.	PA-15
				Piper Aircraft, Inc.	PA-17
				Piper Aircraft, Inc.	PA-18, PA-18S, PA-18 "105" (Special), PA-18S "105" (Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S "125", PA-18AS "125", PA-18 "135" (Army L-21B), PA-18A "135", PA-18S "135", PA-18AS "135", PA-18 "150", PA-18A "150", PA-18S "150", PA-18AS "150"

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				Piper Aircraft, Inc.	PA-19 (Army L-18C), PA-19S
				Piper Aircraft, Inc.	PA-20, PA-20S, PA-20 "115", PA-20S "115", PA-20 "135", PA-20S "135"
				Piper Aircraft, Inc.	PA-22, PA-22-108, PA-22-135, PA-22S-135, PA-22-150, PA-22S-150, PA-22-160, PA-22S-160
				Piper Aircraft, Inc.	PA-24, PA-24-250, PA-24-260, PA-24-400
				Piper Aircraft, Inc.	PA-28-140, PA-28-150, PA-28-160, PA-28-180, PA-28-235, PA-28S-160, PA-28S-180, PA-28R-180, PA-28R-200, PA-28-151, PA-28-161, PA-28-181, PA-28R-201, PA-28-201T, PA-28-236, PA-28RT-201, PA-28RT-201T, PA-28-201T (See note * ²)
				Piper Aircraft, Inc.	PA-32-260, PA-32-300, PA-32S-300, PA-32R-300, PA-32RT-300, PA-32RT-300T, PA32-301FT, PA32-301XTC, PA-32R-301(SP), PA-32R-301(HP), PA-32R-301T, PA-32-301, PA-32-301T

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				Piper Aircraft, Inc.	PA-36-285, PA-36-300, PA-36-375
				Piper Aircraft, Inc.	PA-38-112
				Piper Aircraft, Inc.	PA-18A, PA-18A "135", PA-18A "150" (Restricted Category Only)
				Piper Aircraft, Inc.	PA-36-285, PA-36-300, PA-36-375 (Restricted Category Only)
				Piper Aircraft, Inc.	PA-23, PA-23-160, PA-23-235 PA-23-250 (Navy UO-1), PA-E23-250
				Piper Aircraft, Inc.	PA-30, PA-39, PA-40
				Piper Aircraft, Inc.	PA-31, PA-31-300, PA-31-325, PA-31-350
				Piper Aircraft, Inc.	PA-31P, PA-31T, PA-31T1, PA-31T2, PA-31T3, PA31P-350
				Piper Aircraft, Inc.	PA-34-200, PA-34-200T, PA-34-220T
				Piper Aircraft, Inc.	PA-44-180, PA-44-180T
				Regal Air, Inc.	305A (USAF 0-1A), 305C (USAF 0-1E), 305D (USAF 0-1G), 305F
				Regal Air Incorporated	305B (Military TO-1D, O-1D, O-1F), 305E
				REIMS AVIATION S.A.	F406

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				Revo, Incorporated	COLONIAL C-1, COLONIAL C-2, LAKE LA-4, , LAKE LA-4A, , LAKE LA-4P, LAKE LA-4-200, LAKE MODEL 250
				S O C A T A - Groupe AEROSPATIALE	TB 9, TB 10, TB 20, TB 21, TB 200
				S.O.C.A.T.A.- Groupe AEROSPATIALE	MS 880B, MS 885, MS 894A, MS 893A, MS 892A-150, MS 892E-150, MS 893E, MS 894E, Rallye 100S, Rallye 150T, Rallye 150ST, Rallye 235E, Rallye 235C
				SOCATA, S.A.	GA-7
				Sky International Inc.	A-1, A-1A, A-1B, A-1C-180, A-1C-200
				STOL Aviation LLC	S-1A, S-1A-65F, S-1A-85F, S-1A-90F
				STOL Aviation LLC	S-1B1 (Army L-6, XL-6), S-1B2
				Swift Museum Foundation, Inc.	GC-1A, GC-1B
				Taylorcraft 2000, LLC	BC, BC12-D
				Taylorcraft 2000, LLC	BCS, BC-65, BCS-65, BC12-65 (Army L-2H), BCS12-65, BCS12-D, BCS12-D1, BC12D-85, BCS12D-85, BC12D-4-85, BCS12D-4-85
				Taylorcraft 2000, LLC	F19, F21, F22

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				Taylorcraft 2000, LLC	19, F21A, F21B, F22A, F22B, F22C
				The Don Luscombe Aviation History Foundation, Inc.	8, 8A, 8B, 8C, 8D, 8E, 8F, T-8F
				Thrush Aircraft, Inc.	S2A
				Thrush Aircraft, Inc.	S-2B, S-2C, 600-S2C
				Thrush Aircraft, Inc.	600 S-2D, S-2R, S2R-T34, S2R-T15, S2R-T11, S2R-R3S, S2R-R1340
				Thrush Aircraft, Inc.	600 S-2D, S-2R, S2R-T34, S2R-T15, S2R-R3S, S2R-T11, S2R-R1340, S2R-R1820, S2R-T65, S2RHG-T65, S2R-T45, S2R-G6, S2R-G10, S2R-G5, S2R-G1, S2RHG-T34, S2R-T660
				True Flight Holdings LLC	AA-5, AA-5A, AA-5B, AG-5B
				True Flight Holdings LLC	AA-1, AA-1A., AA-1B, AA-1C
				Twin Commander Aircraft LLC	500, 500-A, 500-B, 500-U, 520, 560, 560-A, 560-E, 500-S
				Twin Commander Aircraft LLC	560-F, 680, 680E, 680F, 720, 680FL, 680FL(P), 680T, 680V, 680W, 681, 690, 685, 690A, 690B, 690C, 690D, 695, 695A, 695B
				Twin Commander Aircraft LLC	700

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Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility* ¹
				Univair Aircraft Corporation (Stinson)	108-1, 108-2, 108-3
				Univair Aircraft Corporation (Stinson)	108, 108-5
				Viking Air Limited	DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300
				Viking Air Limited	DHC-2 Mk. I, DHC-2 Mk. II, DHC-2 Mk. III
				Viking Air Limited	DHC-3
				Vulcanair S.p.A.	P 68, P 68B, P 68C, P 68C-TC, P 68 "OBSERVER", AP68TP 300 "SPARTICUS", P68TC "OBSERVER", AP68TP 600 "VIATOR", P68 "OBSERVER 2"

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LED PAR46 Landing Light	01-0790623-20	01-0790623-20	Identicality per 14 CFR, § 21.303, licensing agreement between Whelen Engineering Company Inc. and Floats Alaska, LLC, Assist Letter, dated May 19, 2011 <u>DWG No:</u> 90623 <u>Rev:</u> C <u>Date:</u> 1/10/11 or later FAA-approved revisions	Aermacchi S.p.A.	S.205-18/F, S.205-18/R, S.205-20/F, S.205-20/R, S.205-22/R, S.208, S.208A
				Aermacchi S.p.A.	F.260, F.260B, F.260C, F.260D, F.260E, F.260F
				Aerostar Aircraft Corp.	PA-60-600 (AEROSTAR 600), PA-60-601 (AEROSTAR 601), PA-60-601P (AEROSTAR 601P), PA-60-602P (AEROSTAR 602P), PA-60-700P (AEROSTAR 700P)
				Agusta S.p.A.	S.210
				Alexandria Aircraft, LLC	14-19, 14-19-2, 14-19-3, 14-19-3A, 17-30, 17-31, 17-31TC
				Alexandria Aircraft, LLC	17-30A, 17-31A, 17-31ATC
				Allied Ag Cat Productions, Inc.	G-164, G-164A, G-164B, G-164B With 73", G-164B-15T, G-164B-34T, G-164B-20T, G-164C, G-164D, G-164D with 73" wing gap
				American Champion Aircraft Corp.	7ECA, 7GCAA, 7GCBC

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				American Champion Aircraft Corp.	7AC, 7ACA, S7AC, 7BCM (L-16A), 7CCM (L-16B), S7CCM, 7DC, S7DC, 7EC, S7EC, 7FC, 7GC, 7GCA, 7GCB, 7GCBA, 7HC, 7JC, 7KC, 7KCAB
				American Champion Aircraft Corp.	11AC, S11AC, 11BC, S11BC
				American Champion Aircraft Corp.	11CC, S11CC
				American Champion Aircraft Corp.	402
				American Champion Aircraft Corp.	8KCAB, 8GCBC
				Atlantic Coast Seaplanes LLC	G-21C, G-21D, G-21E, G-21G
				Bellanca Aircraft Corp.	14-13, 14-13-2, 14-13-3, 14-13-3W
				B-N Group Ltd.	BN2A MK. III, BN2A MK. III-2, BN2A MK. III-3
				B-N Group Ltd.	BN-2, BN-2A, BN-2A-2, BN-2A-3, BN-2A-6, BN-2A-8, BN-2A-9, BN-2A-20, BN-2A-21, BN-2A-26, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-27, BN-2T, BN-2B-26, BN-2T-4R

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				Boeing Airplane Company	A75L3, 75 (Army PT-13), A75 (Army PT-13A, PT-13B, PT-13C), B75 (Navy N2S-5), E75 (Army PT-13D, Navy N2S-5, PT13D/N2S-5), A75J1 (Army PT-18), A75L300, A75N1 (Army PT-17, PT -17A; Navy N2S1, N2S1-4), B75N1 (Navy N2S-3), D75N1 (Army PT-27), IB75A, E75N1
				Burl A. Rogers (Aeronca)	15AC, S15AC
				Cessna Aircraft Company	LC40-550FG, LC42-550FG, LC41-550FG
				Cessna Aircraft Company	C-145, C-165 (ARMY UC-94)
				Cessna Aircraft Company	120, 140
				Cessna Aircraft Company	140A
				Cessna Aircraft Company	150, 150A, 150B, 150C, 150D, 150E, 150F, 150G, 150H, 150J, 150K, A150K, 152, A152
				Cessna Aircraft Company	150L, 150M, A150L, A150M
				Cessna Aircraft Company	170, 170A, 170B
				Cessna Aircraft Company	172, 172A, 172B, 172C, 172D, 172E, 172F (USAF T-41A), 172G (USAF T-41A), 172H, , 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S

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				Cessna Aircraft Company	175, 175A, 175B, 175C, P172D, R172E (USAF T-41B, T-41C and D), R172F (USAF T-41D), R172G USAF T-41C or D), R172H USAF T-41D), R172J, R172K, 172RG
				Cessna Aircraft Company	177, 177A, 177B
				Cessna Aircraft Company	177RG
				Cessna Aircraft Company	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K
				Cessna Aircraft Company	182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, 182S, 182T, R182, T182, TR182, T182T
				Cessna Aircraft Company	185, 185A, 185B, 185C, 185D, 185E, A185E, A185F
				Cessna Aircraft Company	188, 188A, 188B, A188, A188A, A188B, T188C
				Cessna Aircraft Company	190, 195 (LC-126A, B,C), 195A, 195B

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				Cessna Aircraft Company	206, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G, 206H, P206, P206A, P206B, P206C, P206D, P206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, T206H TP206A, TP206B, TP206C, TP206D, TP206E
				Cessna Aircraft Company	207, 207A, T207, T207A
				Cessna Aircraft Company	208, 208B
				Cessna Aircraft Company	210, 210A, 210B, 210C, 210D, 210E, 210F, T210F, 210G, T210G, 210H, T210H, 210J, T210J, 210K, T210K, 210L, T210L, 210M, T210M, 210N, P210N, T210N, 210R, P210R, T210R, 210-5 (205), 210-5A (205A)
				Cessna Aircraft Company	321(Navy OE-2)
				Cessna Aircraft Company	T-50 (Army AT-17, UC-78 series, Navy JRC-1)
				Cessna Aircraft Company	T303
				Cessna Aircraft Company	310, 310A (USAF U-3A), 310B, 310C, 310D, 310E (USAF U-3B), 310F, 310G, 310H, E310H, 310I, 310J, 310J-1, E310J, 310K, 310L, 310N, 310P, 310Q, 310R, T310P, T310Q, T310R

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				Cessna Aircraft Company	320, 320-1, 320A, 320B, 320C, 320D, 320E, 320F, 335, 340, 340A
				Cessna Aircraft Company	336
				Cessna Aircraft Company	337, 337A (USAF 02B), 337B, 337C, 337D, 337E, 337F, 337G, 337H, M337B (USAF 02A), T337B, T337C, T337D, T337F, T337G, T337H, T337H-SP, P337H
				Cessna Aircraft Company	T337E
				Cessna Aircraft Company	401, 401A, 401B, 402, 402A, 402B, 402C, 411, 411A, 414, 414A, 421, 421A, 421B, 421C, 425
				Cessna Aircraft Company	404, 406
				Cessna Aircraft Company (Reims Aviation S.A.)	F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P
				Cessna Aircraft Company (Reims Aviation S.A.)	F150G, F150H, F150J, F150K, F150L, FA150L, FRA150L, F150M, FRA150M, FA152
				Cessna Aircraft Company (Reims Aviation S.A.)	F150F, FA150K, FA150M, F152
				Cessna Aircraft Company (Reims Aviation S.A.)	FR172E, FR172F, FR172G, FR172H, FR172J, FR172K
				Cessna Aircraft Company (Reims Aviation S.A.)	F182P, F182Q, FR182

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				Cessna Aircraft Company (Reims Aviation S.A.)	F337E, FT337E
				Cessna Aircraft Company (Reims Aviation S.A.)	F337F, FT337F, F337G, FT337GP, F337H, FT337HP
				Cessna Aircraft Company (Reims Aviation S.A.)	F177RG
				CPAC, Inc.	112, 114, 112TC, 112B, 112TCA, 114A, 114B, 114TC
				Cub Crafters, Inc.	CC18-180, CC18-180A
				Diamond Aircraft Industries GmbH	DA 40, DA 40F
				Diamond Aircraft Industries GmbH	DA 42, DA 42 NG, DA 42 M-NG
				Diamond Aircraft Industries Inc.	DA20-A1, DA20-C1
				Found Aircraft Canada, Inc.	FBA-2C, FBA-2C1, FBA-2C2, FBA-2C3
				Found Brothers Aviation Limited	FBA Centennial "100"
				FS 2001 Corp (Piper)	J5A (Army L-4F), J5A-80, J5B (Army L-4G), J5C, AE-1, HE-1
				FS 2002 Corporation. (Piper)	PA-14
				FS 2003 Corporation (Piper)	PA-12, PA-12S
				GA 8 Airvan (Pty) Ltd	GA8, GA8-TC320
				Grumman	G-21, G-21A (Army OA-9, Navy JRF-1, JRF-2, JRF-4, JRF-5, JRF-6B)

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				Gulfstream Aerospace Corporation	111
				Gulfstream American Corporation	G-44 (Army OA-14, Navy J4F -2), G-44A, SCAN Type 30
				Hawker Beechcraft Corporation	C-18S (Army C-45, C-45A., C-45F, UC-45B, UC-45F, AT-7, AT-7A, AT-7B, AT-7C; Navy JRB-1, JRB-2, JRB-3, JRB-4, SNB-2, SNB-2C)
				Hawker Beechcraft Corporation	3N, 3NM, 3TM, JRB-6, D18C, D18S, E18S, RC-45J (SNB-5P), E18S-9700, G18S, H18, C-45G, TC-45G, C-45H, TC-45H, TC-45J or UC-45J (SNB-5)
				Hawker Beechcraft Corporation	19A, B19, M19A, 23, A23, A23A, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R
				Hawker Beechcraft Corporation	T-34C (T-34C-1) (34C)
				Hawker Beechcraft Corporation	35, A35, B35, C35, D35, E35, F35, G35, 35R
				Hawker Beechcraft Corporation	35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, E33A, E33C, F33, F33A., F33C, G33, H35, G36, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 36, A36, A36TC, B36TC
				Hawker Beechcraft Corporation	45 (YT-34), A45 (T-34A, B-45) D45 (T-34B)

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				Hawker Beechcraft Corporation	B95A, D95A, E95, 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B (T-42), 95-C55, 95-C55A, G58, D55, D55A, E55, E55A, 56TC, A56TC, 58, 58A, 95, B95
				Hawker Beechcraft Corporation	99, 99A, 99A (FACH), A99, A99A, B99, C99, 100, A100 (U-21F), A100A, A100C, B100
				Hawker Beechcraft Corporation	58P, 58PA, 58TC, 58TCA
				Hawker Beechcraft Corporation	76
				Hawker Beechcraft Corporation	77
				Hawker Beechcraft Corporation	60, A60, B60
				Hawker Beechcraft Corporation	50 (L-23A), B50 (L-23B), C50, D50 (L-23E), D50A, D50B, D50C, D50E, D50E-5990, E50 (L-23D, RL23D), F50, G50, H50, J50
				Helio Aircraft, LLC	H-250, H-295(USAF U-10D), HT-295, H-391(USAF YL-24), H-391B, H-395(USAF L-28A or U-10B), H-395A
				Helio Aircraft, LLC	H-700, H-800
				LAVIA ARGENTINA S.A. (LAVIASA)	PA-25, PA-25-235, PA-25-260 (Restricted Category Only)

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				LAVIA ARGENTINA S.A. (LAVIASA)	PA-25, PA-25-235, PA-25-260
				Maule Aerospace Technology, Inc	BEE DEE M-4, M-4, M-4C, M-4S, M-4T, M-4-180C, M-4-180S, M-4- 180T, M-4-210, M-4-210C, M-4-210S, M-4-210T, M-4-220, M-4-220C, M-4-220S, M-4-220T, M-5-180C, M-5-200, M-5-210C, M-5-210TC, M-5-220C, M-5-235C, M-6-180, M-6-235, M-7-235, MX-7-180, MX-7-235, MX-7-180, MX-7-420, MXT-7-180, MT-7-235, M-8-235, MX-7-160, MXT-7-160, MX-7-180A, MXT-7-180A, MX-7-180B, M-7-235B, M-7-235A, M-7-235C, MX-7-180C, M-7-260, M-7-260C, M-7-420AC, MX-7-160C, MX-7-180AC, M-7-420A, MT-7-420
				Mooney Aircraft Corporation	M22
				Mooney Airplane Company, Inc.	M20, M20A, M20B, M20C, M20D, M20E, M20F, M20G, M20J, M20K, M20M, M20R, M20S, M20TN

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				Pilatus Aircraft Ltd.	PC-6, PC-6H1, PC-6H2, PC-6/350, PC-6/350-H1, PC-6/350-H2, PC-6/A, PC-6/A-H1, PC-6/A-H2, PC-6/B-H2, PC-6/B1-H2, PC-6/B2-H2, PC-6/B2-H4, PC-6/C-H2, PC-6/C1-H2
				Piper Aircraft, Inc.	J3C-40, J3C-50, J3C-50S, J3C-65, J3C-65S, PA-11, PA-11S
				Piper Aircraft, Inc.	J3F-50, J3F-50S, J3F-60, J3F-60S, J3F-65 (Army L-4D), J3F-65S
				Piper Aircraft, Inc.	J3L, J3L-S, J3L-65 (Army L-4C), J3L-65S
				Piper Aircraft, Inc.	J4, J4A, J4A-S
				Piper Aircraft, Inc.	J4E (Army L-4E)
				Piper Aircraft, Inc.	PA-16, PA-16S
				Piper Aircraft, Inc.	PA-15
				Piper Aircraft, Inc.	PA-17
				Piper Aircraft, Inc.	PA-18, PA-18S, PA-18 "105" (Special), PA-18S "105" (Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S "125", PA-18AS "125", PA-18 "135" (Army L-21B), PA-18A "135", PA-18S "135", PA-18AS "135", PA-18 "150", PA-18A "150", PA-18S "150", PA-18AS "150"

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				Piper Aircraft, Inc.	PA-19 (Army L-18C), PA-19S
				Piper Aircraft, Inc.	PA-20, PA-20S, PA-20 "115", PA-20S "115", PA-20 "135", PA-20S "135"
				Piper Aircraft, Inc.	PA-22, PA-22-108, PA-22-135, PA-22S-135, PA-22-150, PA-22S-150, PA-22-160, PA-22S-160
				Piper Aircraft, Inc.	PA-24, PA-24-250, PA-24-260, PA-24-400
				Piper Aircraft, Inc.	PA-28-140, PA-28-150, PA-28-160, PA-28-180, PA-28-235, PA-28S-160, PA-28S-180, PA-28R-180, PA-28R-200, PA-28-151, PA-28-161, PA-28-181, PA-28R-201, PA-28-201T, PA-28-236, PA-28RT-201, PA-28RT-201T, PA-28-201T (See note *2)
				Piper Aircraft, Inc.	PA-32-260, PA-32-300, PA-32S-300, PA-32R-300, PA-32RT-300, PA-32RT-300T, PA32-301FT, PA32-301XTC, PA-32R-301(SP), PA-32R-301(HP), PA-32R-301T, PA-32-301, PA-32-301T

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				Piper Aircraft, Inc.	PA-36-285, PA-36-300, PA-36-375
				Piper Aircraft, Inc.	PA-38-112
				Piper Aircraft, Inc.	PA-18A, PA-18A "135", PA-18A "150" (Restricted Category Only)
				Piper Aircraft, Inc.	PA-36-285, PA-36-300, PA-36-375 (Restricted Category Only)
				Piper Aircraft, Inc.	PA-23, PA-23-160, PA-23-235 PA-23-250 (Navy UO-1), PA-E23-250
				Piper Aircraft, Inc.	PA-30, PA-39, PA-40
				Piper Aircraft, Inc.	PA-31, PA-31-300, PA-31-325, PA-31-350
				Piper Aircraft, Inc.	PA-31P, PA-31T, PA-31T1, PA-31T2, PA-31T3, PA31P-350
				Piper Aircraft, Inc.	PA-34-200, PA-34-200T, PA-34-220T
				Piper Aircraft, Inc.	PA-44-180, PA-44-180T
				Regal Air, Inc.	305A (USAF 0-1A), 305C (USAF 0-1E), 305D (USAF 0-1G), 305F
				Regal Air Incorporated	305B (Military TO-1D, O-1D, O-1F), 305E
				REIMS AVIATION S.A.	F406

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				Revo, Incorporated	COLONIAL C-1, COLONIAL C-2, LAKE LA-4, , LAKE LA-4A, , LAKE LA-4P, LAKE LA-4-200, LAKE MODEL 250
				S O C A T A - Groupe AEROSPATIALE	TB 9, TB 10, TB 20, TB 21, TB 200
				S.O.C.A.T.A.- Groupe AEROSPATIALE	MS 880B, MS 885, MS 894A, MS 893A, MS 892A-150, MS 892E-150, MS 893E, MS 894E, Rallye 100S, Rallye 150T, Rallye 150ST, Rallye 235E, Rallye 235C
				SOCATA, S.A.	GA-7
				Sky International Inc.	A-1, A-1A, A-1B, A-1C-180, A-1C-200
				STOL Aviation LLC	S-1A, S-1A-65F, S-1A-85F, S-1A-90F
				STOL Aviation LLC	S-1B1 (Army L-6, XL-6), S-1B2
				Swift Museum Foundation, Inc.	GC-1A, GC-1B
				Taylorcraft 2000, LLC	BC, BC12-D
				Taylorcraft 2000, LLC	BCS, BC-65, BCS-65, BC12-65 (Army L-2H), BCS12-65, BCS12-D, BCS12-D1, BC12D-85, BCS12D-85, BC12D-4-85, BCS12D-4-85
				Taylorcraft 2000, LLC	F19, F21, F22

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Whelen Engineering Company, Inc.
 51 Winthrop Road
 Chester, CT. 06412-0684

PMA NO. PQ0610NE
 SUPPLEMENT NO. 38
 DATE June 14, 2011

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility* ¹
				Taylorcraft 2000, LLC	19, F21A, F21B, F22A, F22B, F22C
				The Don Luscombe Aviation History Foundation, Inc.	8, 8A, 8B, 8C, 8D, 8E, 8F, T-8F
				Thrush Aircraft, Inc.	S2A
				Thrush Aircraft, Inc.	S-2B, S-2C, 600-S2C
				Thrush Aircraft, Inc.	600 S-2D, S-2R, S2R-T34, S2R-T15, S2R-T11, S2R-R3S, S2R-R1340
				Thrush Aircraft, Inc.	600 S-2D, S-2R, S2R-T34, S2R-T15, S2R-R3S, S2R-T11, S2R-R1340, S2R-R1820, S2R-T65, S2RHG-T65, S2R-T45, S2R-G6, S2R-G10, S2R-G5, S2R-G1, S2RHG-T34, S2R-T660
				True Flight Holdings LLC	AA-5, AA-5A, AA-5B, AG-5B
				True Flight Holdings LLC	AA-1, AA-1A., AA-1B, AA-1C
				Twin Commander Aircraft LLC	500, 500-A, 500-B, 500-U, 520, 560, 560-A, 560-E, 500-S
				Twin Commander Aircraft LLC	560-F, 680, 680E, 680F, 720, 680FL, 680FL(P), 680T, 680V, 680W, 681, 690, 685, 690A, 690B, 690C, 690D, 695, 695A, 695B
				Twin Commander Aircraft LLC	700

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility* ¹
				Univair Aircraft Corporation (Stinson)	108-1, 108-2, 108-3
				Univair Aircraft Corporation (Stinson)	108, 108-5
				Viking Air Limited	DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300
				Viking Air Limited	DHC-2 Mk. I, DHC-2 Mk. II, DHC-2 Mk. III
				Viking Air Limited	DHC-3
				Vulcanair S.p.A.	P 68, P 68B, P 68C, P 68C-TC, P 68 "OBSERVER", AP68TP 300 "SPARTICUS", P68TC "OBSERVER", AP68TP 600 "VIATOR", P68 "OBSERVER 2"

- * NOTES: 1) Installation is limited to previously approved Landing/Taxi light lamp size and locations.
 2) No Installation in air filter retaining plates is allowed (Ref: AD96-10-01R1).

----- (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 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original PMA.

 Steven J. Sykes
 Manager , Manufacturing Inspection District Office,
 NE-MIDO-41