

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

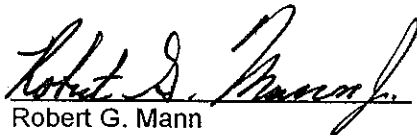
Whelen Engineering
Route 145, Winthrop Road
Chester, CT. 06412 – 0684


PMA NO. P00610NE
SUPPLEMENT No. 5, Amdt. 1
DATE 4/2/2004

Part Name	Part Number	Approved Replacement For Part No.	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
HDA-CF Power Supply	01-0770028-05	Modification Part	STC No. 615EA per 14 CFR §21.303 <u>Dwg. No.:</u> 70028 <u>Rev.:</u> U <u>Date:</u> 7/27/98 or later FAA approved revisions	See attached Eligibility list Pages 1 to 4	See attached Eligibility list Pages 1 to 4

----- 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.


Robert G. Mann
Manager ACO ANE – 150


Earl S. Seabrook
Manager ANE MIDO – 41



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

Manufacturing Inspection District Office, 41
Building 85-214 Bradley International Airport
Windsor Locks, CT 06096
TEL: 860-654-1090
FAX: 860-654-1089

April 2, 2004

Whelen Engineering
Route 145, Winthrop Road
Chester, CT 06412

ATTN: Mr. Thomas J. Griffin, FAA Coordinator

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In accordance with the provisions of 14 CFR Part 21, Subpart K, the FAA has found that the design data, based on STC, submitted by Whelen Engineering, with letter dated December 1, 2003, meets the airworthiness requirements of the Federal Aviation Regulations applicable to the product(s) on which the part(s) are to be installed. Additionally, it has been determined that Whelen Engineering, has established the fabrication inspection system required by Part 21 § 21.303(h), at Route 145, Winthrop Road, Chester, CT.

Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement part(s) listed in the enclosed Supplement No. 5 Amdt 1, in conformity with the enclosed FAA-approved design data. Any subsequent changes to these design data must be approved in a manner acceptable to the FAA.

You are reminded that provisions of the Federal Aviation Regulations, noted in our PMA letter of December 11, 1972, also apply to the enclosed PMA Listing-Supplement No. 5 Amdt 1.

Sincerely,

A handwritten signature in cursive script, appearing to read "Earl S. Seabrooks".

Earl S. Seabrooks
Manager, ANE-MIDO-41

Enclosure

PMA SUPPLEMENT NO. 5 (Amendment 1) ELIGIBILITY LIST
For Whelen Engineering P/N 01-0770028-05

<u>A/C MANUFACTURER</u>	<u>MODEL</u>	<u>TYPE CERTIFICATE</u>
Aero Commander	*100, 100-180	1A21
	111	A11SO
	112	A12SO
	500, 500A, 500B, 500-S, & 500-U, 520, 560, 560A, 560E 560F, 680, 680E, -F, 720, 680FL, 680FL (P),	6A1
	680T, V, W, 681, 690, 685	2A4
American Aviation	*AA-1, *AA-1A	A11EA
	AA-5	A16EA
Beech (Raytheon Aircraft)	23, A23, A23A, A23-19, -24, -19A, B19, M19A, B23, C23, A24, A24R	A1CE
	35, A35, B35, C35, D35, E35, F35, G35, 35R	A-777
	H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, 36, A36, E33, E33A, E33C, F33, F33A, F33C	3A15
	50(L-23A), B50 (L-23B), C50, D50(L-23E), D50A, D50B, D50C, D50E, E50 (L-23D, RL-23D), F50, G50, H50, J50	5A4
	95-55, 95-A55, 95-B55, 95-B55B (T-42A), 95-B55D 95C55, 95, B95, B95A, D95A, E95, D55, D55A, E55, E55A, 56TC, A56TC, 58	3A16
	65-(L23F), A65, A65-8200, 65-80, 65-A80-8800, 65-B80, 65-88, B90, C90, 65-90, 65-A90, 65-A90-1, (U21A, RU-21A, RU-21D), 65-A90-2, (RU-21B), 65-A90-3, (RU-21C), 70	3A20
	60, A60	A12CE
	99, 99A, 100	A14CE
Bellanca	14-19-3A, 17-30, 17-30A, 17-31A, 17-31ATC	1A3
	7EC, 7ECA, 7FC, 7GC, 7GCA, 7GCAA, 7GCB, 7GCBA, 7GCBC, 7HC, 7JC, 7KCAB	A-759

Bell	206A, 206B, 206L, 206L-1, 206L-3, 206L-4, 407	H2SW
	47B, B3, D, D1, E, C, C-2, H-1	H-1
	47G-2A, -2A-1, -3, -3B, -3B1, -3B-27, -4, -4A, -5, -5A	2H3
	47J, K, J-2, J-2A	2H1
Britten Norman	BN-2, -2A, -2A-2, -2A-6, -2A-B	A17EU
	BN-2A, MK.III	A29EU
Cessna	150, 150A, B, C, D, E, F, G, H, J, K, L, A150K, A150L, A150M, 152, A152	3A19
	172, 172A, B, C, D, E, F, G, H, I, K, L, M, N, P	3A12
	175, 175A, B, D, P172D, 172RG	3A17
	177, 177A, B	A13CE
	177RG	A20CE
	180, 180A, B, C, D, E, F, G, H, J, K	5A6
	182, 182A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q,R, T182, R182, TR182	3A13
	185, 185A, B, C, D, E, A185E, A185F	3A24
	188, 188A, B, A188, A188A, A188B T188C	A9CE
	206, P206, P206A, B, C, D, E, TU206A, B, C, D, E, F, G, TP206A, B, C, D, E, U206, U206A, B, C, D, E, F,G	A4CE
	207, 207A, T207, T207A	A16CE
	210, 210A, 210B, 210C, 210D, 210E, 210F, T210F, 210G, T210G, 210H, T210H, 210J, T210J, 210K, 210-5(205), 210-5A(205A), T210K, 210L, T210L, T210M, T210N, 210N, P210N	3A21
	310, 310A, B, C, D, E, F, G, H, I, J, 310J-1, E310J, 310K, L, N, P, T310P, 310Q, T310Q	3A10
	*320, A, B, C, D, E, F, 320-1, 340, 340	3A25
	*336	A2CE
	337, 337A, B, C, D, E, F, T337D, E, F, G,	A6CE

Cessna (Cont'd)	*401, 401A, B, 402, B, 402, 402A, B, 411, 411A, 421, 421A, 414, 421B	A7CE
DeHavilland of Canada	DHC-2, MK.I, MK.II, MK.III	A-806
	DHC-3	A-815
	DHC-6 MODELS 1, 100, 110, 200, 210, 300	A9EA
Fairchild Hiller	FH-1100	H2WE
Grumman	G-164, G-164A,	1A16
Helio	H-250, H-295, H-391, H-391B, H-395, H395A	1A8
Hughes	269A, 269A-1, 269B, 269C, 396, A,H, HM, HS, HE	4H12
	396, A,H, HM, HS, HE	H3WE
Piper	** PA-11	A-691
	** PA-12	A-780
	** PA-14	A-797
	** PA-15	A-800
	**PA-16	1A1
	**PA-17	A-805
	**PA-18 Series, PA-19	1A2
	**PA-20	1A4
	**PA-22 Series,	1A6
	**PA-25 Series,	2A8
	PA-23, PA-23-160, *PA-23-235, *PA-23-250,*PA-E23-250	1A10
	PA-24, -24-250, -24-260, -24-400	1A15

Piper (Cont'd)	PA-28-140, -PA28-150, -28-151, -28-160, -28-161 PA-28R-180, PA-28-180, PA-28-235, PA-28S-160, -28R-180,-28S180, -28-181, -28R-200, -28R-201, -28RT-201T, -28-201T,-28-210T, -28-236	2A13
	PA-30, PA-39,	A1EA
	PA-31P	A8EA
	PA-31, PA-31-300, 325, 350	A20SO
	PA-32-260, -300, - 32S-300	A3SO

NOTES TO ELIGIBILITY LIST:

*1. Aircraft as marked require specific attention to proper balancing of rudder. Refer to the Service Manual for balancing instructions.

**2. Installations on these aircraft require prior or concurrent installation of STC SA4-977.