

ENCLOSURE

PARTS MANUFACTURER APPROVAL NO. PQ3830CE

PRODUCTION APPROVAL LISTING – SUPPLEMENT NO. 1

DATED MAY 8, 2002

Aviation Products Systems, Inc.

3701 Highway 162

Granite City, IL 62040

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re- placement for</u>	<u>FAA Design Approval Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
Brake Lining	APS66-01500	AP66-15 SB66-01500 ES-66-15-FM 066-01500	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66--15, Rev N/C dtd 1/18/93 or later FAA approved revision	American Champion Britten-Norman LTD, New Zealand Aerospace Piper Aircraft	8GCBC BN-2, BN-2A, FU24-954 PA24-400, PA30, PA39
Brake Lining	APS66-01900	AP66-19 SB66-01900 ES-66-19-FM 066-01900	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-19, Rev N/C dtd 3/13/95 or later FAA approved revision	American Champion Britten-Norman LTD, New Zealand Aerospace Piper Aircraft	8GCBC BN-2, BN-2A, FU24-954 PA24-400, PA30, PA39
Brake Lining	APS66-02200	AP66-22 SB66-02200 ES-66-22-FM 066-02200	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-22, Rev N/C dtd 1/18/93 or later FAA approved revision	Raytheon Aircraft Britten-Norman LTD Cessna Aircraft Piper Aircraft Gulfstream Aerospace	56TC, A56T BN-2A, MK 3, MK3- 2,-3 337E, T337E, PA60-600,-601,601P, 600A,601B, 602P, 700P 700
Brake Lining	APS66-03300	AP66-33 SB66-03300 ES-66-33-FM 066-03300	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-33, Rev N/C dtd 1/18/93 or later FAA approved revision	Cessna Aircraft Piper Aircraft	190, 195, 195A, 195B, 208, 208B, 310, 310A, 310B, 310C, 310D, 310E, 310F, 310G, 310H, 310I, 310J, 310J- 1, 310K, 310L, 310N, 310P, 310Q, 310R, 320, 320-1, 320A, 320B, 320C, 320D, 320E, 320F, 335, 340, 401, 401A, 401B, 411, 411A, 414, 414A PA31-300, 310, 325, 350, PA28-235

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement for</u>	<u>FAA Design Approved Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
Brake Lining	APS66-04400	AP66-44 SB66-04400 ES-66-44-FM 066-04400	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-44, Rev N/C dtd 2/9/93 or later FAA approved revision	Cessna Aircraft Britten-Norman LTD Raytheon Aircraft	303, T303 4000 C55, D55, E55, 56TC, A56T, 58
Brake Lining	APS66-06200	AP66-62 SB66-06200 ES-66-62-FM 066-06200	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 3/13/95 Dwg No: AP66-62, Rev N/C dtd 4/06/95 or later FAA approved revision	Aerospatiale / Socata Agusta/Caproni Vizzola Cessna GAF-Australia General Avia Grumman American Hunting Firecracker Lancair Company Partenavia Britten-Norman LTD Piper Aircraft Valmet	TB30 C22J P210, 303, T303 N24A F.22, F.1300 GA-7 NDN 1T Columbia 300 P68, P68B, P68C, P68C-TC, Series 300 BN-2, BN-2A, BN-2B, BN-2T, BN-2 Series PA-23-250, PA-24-400 PA-30, PA-32-260, PA-32-300, PA-32R-300, PA-32RT-300, PA-32RT-300I, PA-32-301, 301T PA-34-200, 200T, PA-4-220T, PA-39, PA-44-180T, PA-46-310P, 50P 1 90 TP
Brake Lining	APS66-06400	AP66-64 SB66-06400 ES-66-64-FM 066-06400	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-64, Rev N/C dtd 2/9/93 or later FAA approved revision	Cessna	404, 425
Brake Lining	APS66-06500	AP66-65 SB66-06500 ES-66-65-FM 066-06500	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-65, Rev N/C dtd 2/9/93 or later FAA approved revision	Aerospatiale/ Socata Grumman American Britten-Norman LTD Piper Aircraft	TB30 GA-7 BN-2, BN-2A, BN-2B, BN-2T, BN-2 Series PA-23-250, PA-24-400 PA-30, PA-39
Brake Lining	APS66-06600	AP66-66 SB66-06600 ES-66-66-FM 066-06600	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-66, Rev N/C dtd 2/9/93 or later FAA approved revision	Air Tractor Cessna Embraer NDN Aircraft Ltd Piper Aircraft	AT-602 402 Series, 414A, 421C EMB-312 (T-27) NDN6 PA-31-350, T-1020

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Brake Lining	APS66-06800	AP66-68 SB66-06800 ES-66-68-FM 066-06800	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-68, Rev N/C dtd 2/9/93 or later FAA approved revision	Piper Aircraft Schaefer Aircraft Modifications (Embraer)	T-1020, PA-31T, PA-31T-750, PA-31-350-500
Brake Lining	APS66-09700	AP66-97 SB66-09700 ES-66-97-FM 066-09700	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-97, Rev N/C dtd 2/9/93 or later FAA approved revision	Raytheon Aircraft	B55, E55, 58, 58P, 58TC, B60
Brake Lining	APS66-10500	AP66-105 SB66-10500 ES-66-30-FM 066-10500 066-03000	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-105, Rev N/C dtd 1/18/93 or later FAA approved revision	Aero Commander Aerofab Aerospatiale / Socata American Champion Arctic Asta Agusta Avions Pierre, Robin Raytheon Aircraft Bellanca Aircraft Cessna Aircraft	100, 180 LA-4, LA-4-180, -200, LA-250, LA-4-270 100, 110, 125, 150, 180, 110ST, 160ST, 180T, 180GT, TB9, TB10, TB200 T-250 S1B2 N22B, N22S, N24A C22J 140, 160, DR400, HR100/120, 200, HR100/200, 210, HR400, R1000, R2000, R3000 19A, B19, M19A, 23, A23, A23-19, A23-24, B23, C23, 24, 24R, A24, A24R, E33, E33A, E33C, 33, 35, F33, F33A, F33C, G33, 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, 35R, A35, B35, C35, E35, F35, G35, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 36, A36, A36TC, B36TC, 76 17-30A, -31A, -31ATC, 300A 120, 140, 140A, 150, F150F, F150G, 150F, 150G, F150H, F150J, 150H, 150J, 150K, 150L, A150L, F150K, FA150K, FA150L, FRA150L, A150, A150K, 152, A152, F152, FA152, 170, 170A, 170B, 172, 172A, 172B, 172C, 172D, 172E-R, F172D, E-M, F172F-K, P172D, R172, F172RG, 175, 175A, 175B, 175C, 177, 177A, 177B, 177RG, F177RG, 180,

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re- placement for</u>	<u>FAA Design Approved Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
					180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182S, R182, TR182, FR182, 185, 185A, 185B, 185C, 185D, 185E, A185E, A185F, 188, A188, 188B, A188A, A188B, T188C, 205, 205A, 206, 206h, T206H, P206A, P206B, P206C, P206D, P206E, TP206A, TP206B, TP206E, TU206A, TU206E, TU206F, U206A, U206D, U206E, U206F, 207, 207A, T207, T207A, 210, 210-5, 210A, 210B, 210L, 210K, 210C, 210D-M, 210N, P210, P210N, T210, T210M, T210N, 305A, 305B, 305C, 305D, 305E, 305F, 336, 337, 337A, 337B, 337C, 337D, 337E, T337, T337B, T337C, T337D, T337E, L-19
				Ector Aircraft Co.	ABA Centennial "100"
				Found Brothers	N22, N24, N22B
				GAF	S202/18A
				FFA	F20, F20TP
				General Aviation	2T-1A, 2T-1A-1, 2T-1A-2
				Great Lakes	G103, G103C
				Grob	AA1, 1A, 1B, TR-2, AA5, 5A, 5B, 112, 112A, 112B, 112TC, 112TCA, 114
				Gulfstream Aerospace	H250, H295, H395, H391
				Helio Aircraft Limited	EA7
				Lovaux	M4, M5, M6, M7
				Maule Aircraft	M20C, E, F, G, J, K, M, M22, CT/4E
				Mooney Aircraft	P66C-160, P66T P68C, P68C-TC
				Pacific Aerospace	PA28-140, -150, -151, -160, -161, -180, -181, PA28-235, 201T, 236 PA28R-180, -200, 201T, PA28RT-201, 201T, PA29-151, PA32- 260, 300, 301, 301T, PA32R-300, PA32RT- 300, 300T, PA43-200, 200T, 220T, PA44-180
				Partenavia Aircraft	RFB 400/600
				Piper Aircraft	MF1-15, -17 SF205, SF260, SF260C, SF260SW, SF600TP
				RFB	
				Saab-Scania	
				Siai Marchetti	

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Brake Lining	APS66-10600	AP66-106 SB66-10600 ES-66-62-FM 066-10600	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP-106, Rev N/C dtd 1/18/93 or later FAA approved revision	Slingsby Aviation	T67C, M, 200, T- 3A, TR67GRP
				SME Sportavia Swearingen Swift Taylorcraft Univair	MD3-160 RF6C/RS180 SX300 GC-1A, -1B F19, F21, F21A, F22 108, -1, -2, -3, -5, 415- C, -CD, -D, -A2, -A2A, E, F1, F1A, G, M10
Brake Lining	APS66-10600	AP66-106 SB66-10600 ES-66-62-FM 066-10600	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP-106, Rev N/C dtd 1/18/93 or later FAA approved revision	Varga Waco	2150A, 2180 Meteor, Minerva, Vela
				Aerofab Aero Resources Aerospatiale / Socata	LA-4 series J-2 220, 235 series, TB20, 21
Brake Lining	APS66-10600	AP66-106 SB66-10600 ES-66-62-FM 066-10600	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP-106, Rev N/C dtd 1/18/93 or later FAA approved revision	Aerotek (Pitts)	S-1S, S-1T, S-2, S-2A, S- 2B, S-2S, A-1
				Ag-Cat Artic Aircraft Raytheon Aircraft Bellanca Aircraft	G164 S-1B2, B33, 7EC, 7ECA, 7GCAA, 7ACA, 7GCBC, 7KCAB, 7SRS, 7GCBC, 8GCBC, 8KCAB
Brake Lining	APS66-10600	AP66-106 SB66-10600 ES-66-62-FM 066-10600	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP-106, Rev N/C dtd 1/18/93 or later FAA approved revision	Cessna Aircraft	150A, B, C, D, E, 180 series, 185, 185A, 185B, A185E, 205, 205A, 336,
				Christen Daimler Benz Diamond Aircraft Fletcher Grob Industria Unidas Laviasa Lake	A-1 BO208-209 DA20 FU24, FU24A series G109-G115 series A-9B PA-25 series LA-4, LA-4A, LA-250
Brake Lining	APS66-10600	AP66-106 SB66-10600 ES-66-62-FM 066-10600	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP-106, Rev N/C dtd 1/18/93 or later FAA approved revision	Schweizer Aircraft	G164, SGS, 1-34, 34R, 35, 35A, 35C, 36
				New Zealand Aerospace, Inc.	FU24-954,
Brake Lining	APS66-10600	AP66-106 SB66-10600 ES-66-62-FM 066-10600	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP-106, Rev N/C dtd 1/18/93 or later FAA approved revision	Messerschmitt-Bolkow Partenavia S.P.A. Piper Aircraft	BO-209 P64B, P66B J3, PA-11, PA-12, PA- 14, PA-15, PA-16, PA- 17, PA-18, PA-18-150, PA-18A-150, PA- 22-108, PA- 23-150, -160, -235, -250, PA-24-180, -250, -260, PA-25, PA-28-140, -150, -160, -180, PA- 28R-180, -200 PA-38-112
				Sadler Aircraft Siai-Marchetti S.P.A., Schleicher Schweizer Stol Socata	A-22 F.260, F.260C ASW20, 21, 22, 23 I-36 UC1 235C, 235E, MS894E, TB20, TB21, TSC-1A
Brake Lining	APS66-10600	AP66-106 SB66-10600 ES-66-62-FM 066-10600	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP-106, Rev N/C dtd 1/18/93 or later FAA approved revision	Thurston Aircraft	

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				Univair Aircraft (Stinson)	J3, PA-11, PA-12, PA-14, PA-16, PA-18, PA-20, PA-22
				Wing WTA Inc.	108, 108-1,-2,-3,-5 D-1 PA-18-150, PA-18A-150
Brake Lining	APS66-10800	AP66-108 SB66-10800 ES-66-108-FM 066-10800	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-108, Rev N/C dtd 2/12/93 or later FAA approved revision	Ag-Cat Corp. Air Tractor Ayres Bellanca Cessna Aircraft Classic Aircraft (Waco) Eagle Aircraft Emair Marsh Aviation Pacific Aerospace Piper Aircraft Weatherly Aviation	G164A-450, 600 G164B, C, D AT-300, 301, 302, 302A, 400, 400A, 401, 401A, 402, 402A, 501, 502, 503, 503A S2R-600, S2R-800, S2R-PZL600, S2R-R1340, S2R-R1820, S2R-T11, S2R-T15, S2R-T34, S2R-65, S2R-T65HG DW-1 188, 188B, A188, A188A, A188B, T188C YMF series 220, 300 MA-1B S2R-T, G-164C-T 08-600, 750XL PA-36 201A, 201B, 201C, 620, 620A, 620B, 620TP
Brake Lining	APS66-10900	AP66-109 SB6610900 ES-66-87-FM 066-10900 066-30026	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-109, Rev N/C, dtd 1/18/93 or later FAA approved revision	Cessna Aircraft	150, 152, A150, F150, F152, 172, R172, F172, FR172, 172RG, 177, 177RG, F177RG, 180, 182, F182, T182, R182, 185, 206, 210
Brake Lining	APS66-11000	AP66-110 SB66-11000 ES-66-110-FM 066-11000	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-110, Rev N/C, dtd 2/9/93 or later FAA approved revision	Cessna Aircraft Helio Aircraft	188, A188, 188A, A188A, 188B, A188B, T188C H295, H391, H395
Brake Lining	APS66-11100	AP66-111 SB66-11100 ES-66-4-FM 066-00400 066-11100	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-111, Rev N/C, dtd 1/18/93 or later FAA approved revision	Cessna Aircraft Mooney Aircraft Raytheon Aircraft Piper Aircraft	210C M20A, M20B, M20C, M20D, M20E 33, A33 PA-28-235

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Brake Lining	APS66-11200	AP66-112 SB66-11200 ES-66-112-FM 066-11200	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP66-112, Rev N/C, dtd 2/9/93 or later FAA approved revision	Piper Aircraft	PA38-112
Rivet	APS105-0200	AP105-2 SB105-0200 ES-105-2 0105-0200	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP105-2, Rev N/C, dtd 2/11/93 or later FAA approved revision	Aero Commander Aerofab	100-180 LA4 series, LA-250, LA-270
				Aerospatiale / Socata	100, 110, 125, 150, 180 series, 110ST, 160ST, 180T, 180GT, 220, 235 series, 235G, 235GT, 235CA, TB9, TB10, TB200, TB20, 21
				Ag-Cat Corp.	G164, G164A, 450, 600, G164B, G164C, G164D
				Agusta / Caproni Vizzola	C22J
				Agusta / Siai Marchetti	SF205, 260, 260C, 260M, 260W, 260TP, 260SW, 211, 600TP
				Air Tractor	AT300, 301, 302, 302A, 400A, 400, 402, 501, 502, 503, 503A, 401, 401A
				American Champion	7ECA, 7GCAA, 7GCBC, 7KAB, 7SRS, 7ACA, 8GCBC, 8KCAB, T-250
				Arctic Aircraft Aviat Ayres	S1B2 S1, S2, A1 S2R600, S2R800, S2RPZL600, S2RR1340, S2RR1820, S2RT11, S2RT15, S2RT34, S2RT41, S2RT65, S2RT65HG
				Bellanca Aircraft	17-30A, 17-31A, 17- 31ATC, 300A
				Bombardier Aerospace	140, 160, DR400 series, HR100/200, 200, 210, HR400 series, R1000 series, R2000 series, R3000 series
				Cessna Aircraft	120 series, 140 series, 150 series, 152 series, 170 series, 172 series, 175 series, 177 series, 180 series, 182 series, 185 series, 188 series, 205 series, 206 series, 207 series, 210 series, 305 series, 336 series, 337 series,
				Classic Aircraft Daimler Benz Dehavilland	YMF-5 B0208, 209 DHC121, DHC122, DHC122A, DHC1B2S3, DHC1B2S5
				Eagle Aircraft Ector Aircraft	220, 300 L19

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				Edo Floats	Amphibious Floats
				Emair	MA1B
				FFA	AS202-18A4
				Found Brothers	100
				GAF	N22, N22B, N24
				General Avia	F20, F20TP
				Globe Swift	GC1A, GC1B
				Great Lakes	2T1A, 2T1A1, 2T1A2
				Grob	G103, 103C, 109 series, 115 series
				Group Genesis	Genesis 2
				Grumman American	AA1, A, B, TR2, AA5, AA5A, AA5B, 112, 112A, 112B, 112TC, 112TCA, 114, 114B
				Helio	H250, H295, 391, 395
				Industria Unidas	A9B
				Laviasa	PA25 series
				Lovaux	EA7
				Marsh	S2RT, G164CT
				Maule Air	M4, M5, M6, M7
				Mooney	M10, M20 series, M21 series, 201, 231, 252, M22
				Pacific Aerospace	FU24 series, 08-600, CT/4E, 750XL
				Partenavia	100, 150, 200
					P64 series, P66 series, P68 series
				Piper Aircraft	J3, PA11, PA12, PA14, PA15, PA16, PA17, PA18 series, PA20, PA22, PA23 series, PA24 series, PA25 series, PA28 series, PA32 series, PA34 series, PA36 series, PA38 series, PA44 series
				Raytheon Aircraft	19 series, 23 series, 24 series, 33 series, 35 series, 36 series, 76, 77
				RFB	400/600
				Saab	MF1-15, MF1-17
				Sadler Aircraft	A22
				Schleicher	ASW20, 21, 22, 23
				Schweizer	I-35
				Slingsby Aviation	T67C, T67M, T57M200
				SME Aerospace	MD3-160
				Sportavia	RF6C / RS 180
				STOL Aircraft	UC 1
				Swearingen	SX300
				Taylorcraft	F19, 100, F21, F21A, F22
				Univar	A2, A2A, 415 series, M10, J3, PA11, PA12, PA14, PA16, PA18 series, PA20, PA22, 108 series
				Valmet	L70
				Varga	2150A / 2180
				Waco	Meteor, Minerva, Vela
				Weatherly Aviation	201A, 201B, 201C, 620, 620A, 620B, 620TP,
				Wing	D1
				WTA	PA18 series

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Pin	APS177-00300	AP177-3 SB177-00300 ES-177-3 PIN 0177-00300	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP177-3, Rev N/C dtd 3/13/95 or later FAA approved revision	American Champion Britten Norman Caproni Vizzola Cessna Aircraft General Avia GAF Gulfstream Aerospace International Aviation Partenavia Britten Norman Piper Aircraft Raytheon Aircraft Socata	8GCBC BN2, BN2A, BN2B, BN2T, MK111-2, MK111-3, C22J P210, 303, T303, T337E, F20, F22, F22B, F22C, F22R, F1300 N24A GA7, 700 BN2A, MK111, -2, -3 300, AP68TP 300, P68B BN2, BN2A, BN2B, BN2T, BN2A MK111, BN2A MK111-2, BN2A MK111-3, BN2A2, BN2A20, BN2A21, BN2A26, BN2A26, BN2A27, BN2A3, BN2A6, BN2A8, BN2A9, BN2B20, BN2B21, BN2B26, BN2B27, BN2T PA23-235, 250, PA24- 400, PA-30, PA32-260, PA32-300, PA32R-300, PA32RT-300, PA32RT- 300T, PA32-301, PA32- 301T, PA32R301TPA34-200, PA34-200T, PA34- 220T, PA39, PA44- 180T, PA46-310P, PA60-600, PA60-601, PA60-601P, PA60-700P 35, A35 thru S35, V35, V35B, V35BTC, 35R, A36, 45, 50, 55, A55, B55, B55A, B55B, C55, C55A, D55, D55A, E55, 56TC, 58, 58P, 58TC, 60, B60, 95, TB30
Pin	APS177-00400	AP177-4 SB177-00400 ES-177-4 PIN 0177-00400	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP177-4, Rev N/C dtd 3/13/95 or later FAA approved revision	Cessna Aircraft Piper Aircraft	190, 195, 208, 310, 310P, 310Q, T310P, T310Q, T310R, 310R, T310R, 320, 335, 340A, 401, 401A, 401B, 411, 411A, 414 PA31-300, 310, 325, 350,
Pin	APS177-01600	AP177-16 SB177-01600 ES-177-16 PIN 0177-01600	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP177-16, Rev N/C dtd 3/13/95 or later FAA approved revision	Air Tractor Cessna Aircraft Embraer Gulfstream Aerospace Mitsubishi	AT802 340, 402, 402A, 402B, 402C, 404, 411, 414, 414A, 421A, 421B, 421C, 425 EMB312 500 series, 681, 685, 690, 695 MU2B, -10, -15, -20, - 25, -26, -26A, -30, -35, -36, -36A, -40, -60

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement for</u>	<u>FAA Design Approved Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
				Piper Aircraft	PA31-350, PA31P-350, PA31P-425, PA31T, PA31T2, PA-42, PA42-720
				Schaefer Aircraft Swearingen Aircraft Raytheon Aircraft	PA-31350, PA31T SA26AT, SA26T D18C, D18S, 65, 65-80, 65-B80, 65-88, 65-A80, 65-A90-1, 65A90-4, 70, C90, C90A, F903N, 3NM, 3TM
				Dehavilland	DCH2MK1, DCH2MK2, DCH3MK3
"O" Ring Seal	AP101-[]	AP101-[]	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AP101-[], Rev N/C dtd 3/13/95 or later FAA approved revision	MS EQUIV.	As Required
Brake Disc	APS164-00500	AA-5 SB164-00500 164-00500	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-5, Rev N/C dtd 5/1/95 or later FAA approved revision	American Champion Arctic Aircraft Partenavia Piper Aircraft Sunson Univair	7ACA, 7ECA, 7GCAA, 7GCBC, 7KCAB, 8KCAB, 7SRS S1B2 100, 150, 200, P64B, P66B PA22, PA22-108, PA28-140, -150, -180 108 108, -1, -2, -3, -5,
Brake Disc	APS164-0070	AA-47 SB164-00700 164-00700	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 47 Dwg No: AA- 47 , Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft Maule Air Raytheon Aircraft Heilo Lake Colonial Lake Stol	206 Series 180 Series 336 Series 210-5, 205 210-5A, 205A, 185 Series M5-235C, M6-235 35-B33 H295 C1, C2 LA4, LA4A, LA4P, LA4-200, LA-250 VC1
Brake Disc	APS164-00900	AA-9 SB164-00900 164-00900	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-9, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft Mooney Aircraft Piper Aircraft Raytheon Aircraft	210C M20, M20A, M20B, M20C, M20E PA24-180, -250, -260 A33, 33

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement for</u>	<u>FAA Design Approved Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
Brake Disc	APS164-01501	AA-15A SB164-01501 164-01501	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-15A, Rev N/C dtd 5/1/95 or later FAA approved revision	Bellanca Aircraft Cessna Aircraft Found Brothers General Avia Gulfstream Aerospace Helio Aircraft	17-30A, -31A, -31ATC, T-250 180, A185E, 185C-E, 188, 205A, 206, U206, TU206, 210, P210N, 305, 336 100 F20 112, 114, 112B, 112TC, 112TCA, 114B H295, H391, H395
Brake Disc	APS164-01700	AA-17 SB164-01700 164-01700	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-17, Rev N/C dtd 5/1/95 or later FAA approved revision	Aviat (Pitts) American Champion Cessna Aircraft Grob Daimler Benz McCulloch Piper Aircraft Schweizer	S-1, S1S, S1T, S2, S2A, S2B, S2S 7ACA 150D, E G115, -A, -B, -C BO209-150FF, -FV, -RV, BO209-160FV, -RV J2 PA38-112 SGS I-36
Brake Disc	APS164-01900	AA-19 SB164-01900 164-01900	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-19, Rev N/C dtd 5/1/95 or later FAA approved revision	Piper Aircraft Socata Univar	PA24-260, PA28R-180, PA28R-200 220, 235C, 235G, 235E, MS894E, TB10, TB20, TB21 PA18, PA20
Brake Disc	APS164-02000	AA-20 SB164-02000 164-02000	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-20, Rev N/C, dtd 5/1/95 or later FAA approved revision	Aero Commander Arctic Aircraft Gulfstream Aerospace Mooney Partenavia Piper Aircraft Slingsby Aviation Taylorcraft	100 – 180 S1B2 AA1, AA1A, AA1B, TR2, AA5, AA5A, AA5B M20C, M20E, M20F, M20G, M20J, M20K, 201, 231, 252, M22 P66C, P66T PA28-140, -150, -151, -160, -161, -180, -181, PA28R-180, PA28R-200, PA28R-201, PA28R-201T, PA28RT-201, PA28-201T, PA28-235, -236 T67c, T67M, T67M200 F19, F21, F21A, F22
Brake Disc	APS164-02201	AA-22 SB164-02201 164-02201	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-22, Rev N/C dtd 5/1/95 or later FAA approved revision	Britten Norman Gulfstream Aerospace Piper Aircraft Socata	BN2, BN2A, BN2B, -20, -21, -26, -27, BN2T GA7 PA24-400, PA32-260, -300, PA34-200, PA-39 TB30

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement for</u>	<u>FAA Design Approved Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
Brake Disc	APS164-02300	AA-23 SB164-02300 164-02300	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-23, Rev N/C dtd 5/1/95 or later FAA approved revision	Mooney Piper Aircraft Siai Marchetti	M20M PA28-236, PA32-260, -300, PA32R-300, PA32RT-300, PA32RT-300T, PA32-301, PA32-301T, PA32R-301, PA34-200, PA34-200T, PA34-220TPA44-180, PA44-180T 260SW
Brake Disc	APS164-02504	AA-25A SB164-02504 164-02504	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-25A, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft Raytheon Aircraft	337, T337 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, F33, F33A, F33C, G33, 35, A35 – S35V35, V35B, V35BTC, 35R, 76
Brake Disc	APS164-02505	AA-25B SB164-02505 164-02505	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-25B, Rev N/C dtd 5/1/95 or later FAA approved revision	Raytheon Aircraft	A36, B36TC, A36TC
Brake Disc	APS164-02601	AA-26A SB164-02601 164-02601	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-26A, Rev N/C, dtd 5/1/95 or later FAA approved revision	Burkhart Cessna Aircraft Dehaviland FFA Grob Maule Air Mooney Saab Siai Marchetti Socata Stinson Univair Varga Waco	Twin Sailplane 120, 140, 150F – J, A150, 150K, 170, 172, F172, 175, 177, 180, 182, 305 DHC121, DHC122, DHC122A, DHC1B2S3, DHC1B2S5 AS202/18A4 G103 M4, M5, M5-180C, M5-200, M5-210C, M5-210TC, M5-220C, M5-235C, M10 MF1-15, -17 SF205, SF260, SF260C 100, 110, 125, 150, 180, MS893E, TB9 108, 108-1, 108-2, 108-3, 108-5 108, 108-1, 108-2, 108-3, 108-5, A2, A2A, M10 2180, 2150A Meteor, Minerva, Vela
Brake Disc	APS164-02706	AA-27 SB164-02706 164-02706	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-27, Rev N/C dtd 5/1/95 or later FAA approved revision	International Aviation Raytheon Aircraft	BN2A, MK111, -2, -3 35, A35 – S35, V35, V35B, V35BTC, 35R, 45, 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B, 95-C55, 95-C55AC55, D55, D55A, E55, 56TC, 95,

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re- placement for</u>	<u>FAA Design Approved Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
Brake Disc	APS164-02707	AA-27A SB164-02707 164-02707	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-27A, Rev N/C dtd 5/1/95 or later FAA approved revision	Helio Aircraft	H295, H391, H395,
Brake Disc	APS164-03601	AA-36 SB164-03601 164-03601	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-36, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft Helio Aircraft Maule Air	180, 185, A185E, U206D, E, TU206D, E, H295, H391, H395 M5, M6-180, M6-235, M7-235
Brake Disc	APS164-04000	AA-40 SB164-04000 164-04000	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-40, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft Great Lakes Aircraft	A150, 150K, F150, FA150, F152, FA152, 172, F172, 177, 177RG, 182, A182, 2T1A2, 2T1A, 2T1A1
Brake Disc	APS164-04300	AA-43 SB164-04300 164-04300	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-43, Rev N/C dtd 5/1/95 or later FAA approved revision	Globe Swift Gulfstream Aerospace	GC1A, GC1B 112, 112A, 112B
Brake Disc	APS164-04700	AA-47 SB164-04700 164-04700	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-47, Rev N/C dtd 5/1/95 or later FAA approved revision	Edo Float Conversion	Amphibious
Brake Disc	APS164-06700	AA-67 SB164-06700 164-06700	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-67, Rev N/C dtd 5/1/95 or later FAA approved revision	Aviat Piper Aircraft Univair WTA	A1 J3, PA11, PA12, PA14, PA15, PA16, PA17, PA18, -150, PA18A- 150, PA20 PA11, PA12, PA14, PA16, PA18, PA20 PA18-150, PA18A-150
Brake Disc	APS164-06900	AA-69 SB164-06900 164-06900	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-69, Rev N/C dtd 5/1/95 or later FAA approved revision	Piper Aircraft Raytheon Aircraft	PA38-112 77

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re- placement for</u>	<u>FAA Design Approved Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
Brake Disc	APS164-30007	AA-94 SB164-30007 164-30007	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-94, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna	180 Series, 185 Series
Brake Disc	APS164-30195	AA-93 SB164-30195 164-30195	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-93, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	172, 177RG
Brake Disc	APS164-30388	AA-97 SB164-30388 164-30388	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-97, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	185, U206, TU206
Brake Disc	APS164-30398	AA-96 SB164-30398 164-30398	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-96, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	U206, TU206
Brake Disc	APS164-30414	AA-95 SB164-30414 164-30414	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-95, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	185
Brake Disc	APS164-30440	AA-92 SB164-30440 164-30440	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-92, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	172, 177RG, 182, F150, F152, F177RG, F182, FA152
Brake Disc	APS164-30615-1	AA-88 SB164-30615-1 164-30615-1	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-88, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	152, 172, 177RG, 182, F150, F152, F177RG, F182, FA152, FR172,

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement for</u>	<u>FAA Design Approved Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
Brake Disc	APS164-30615-2	AA-89 SB164-30615-2 164-30615-2	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-89, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	185, 210, T210
Brake Disc	APS164-30615-3	AA-90 SB164-30615-3 164-30615-3	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-90, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	R182, U206, TU206, 210, T210, FR182, R182, T182, TR182
Brake Disc	APS164-30615-4	AA-88 SB164-30615-4 164-30615-4	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: AA-88, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	152, 172, 177RG, 182, F150, F152, F177RG, F182, FA152, FR172,
Brake Disc- Stainless	APS175-00500	73-5 164-00500	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 73-5, Rev N/C dtd 5/1/95 or later FAA approved revision	American Champion Arctic Aircraft Partenavia Piper Aircraft Stinson Univair	7ACA, 7ECA 7GCAA, 7GCBC, 7KCAB, 8KCAB, 7SF S1B2 100, 150, 200, P64B, P66B PA22, PA22 '08, PA28-140, -150, -180 108 108, -1, -2, -3, -5,
Brake Disc- Stainless	APS175-00700	73-47 164-00700	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 73-47, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft Maule Air Raytheon Aircraft Heilo Lake Colonial Lake Stol	206 Series 180 Series 336 Series 210-5, 205 210-5A, 205A, 185 Series M5-235C, M6-235 35-B33 H295 C1, C2 LA4, LA4A, LA4P, LA4-200, LA-250 VC1
Brake Disc- Stainless	APS175-00900	73-9 164-00900	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 73-9, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft Mooney Aircraft Piper Aircraft Raytheon Aircraft	210C M20, M20A, M20B, M20C, M20E PA24-180, -250, -260 A33, 33

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement for</u>	<u>FAA Design Approved Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
Brake Disc- Stainless	APS175-01501	75-15A 164-01501	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-15A, Rev N/C dtd 5/1/95 or later FAA approved revision	Bellanca Aircraft Cessna Aircraft Found Brothers General Avia Gulfstream Aerospace Helio Aircraft	17-30A, -31A, -31ATC, T-250 180, A185E, 185C-E, 188, 205A, 206, U206, TU206, 210, P210N, 305, 336 100 F20 112, 114, 112B, 112TC, 112TCA, 114B H295, H391, H395
Brake Disc- Stainless	APS175-01700	64-17 164-01700	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 64-17, Rev N/C dtd 5/1/95 or later FAA approved revision	Aviat (Pitts) American Champion Cessna Aircraft Grob Daimler Benz McCulloch Piper Aircraft Schweizer	S-1, S1S, S1T, S2, S2A, S2B, S2S 7ACA 150D, E G115, -A, -B, -C BO209-150FF, -FV, -RV, BO209-160FV, -RV J2 PA38-112 SGS I-36
Brake Disc- Stainless	APS175-01900	73-19 164-01900	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 73-19, Rev N/C dtd 5/1/95 or later FAA approved revision	Piper Aircraft Socata Univar	PA24-260, PA28R-180, PA28R-200 220, 235C, 235G, 235E, MS894E, TB10, TB20, TB21 PA18, PA20
Brake Disc- Stainless	APS175-02000	75-20 164-02000	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-20, Rev N/C dtd 5/1/95 or later FAA approved revision	Aero Commander Arctic Aircraft Gulfstream Aerospace Mooney Partenavia Piper Aircraft Slingsby Aviation Taylorcraft	100 – 180 S1B2 AA1, AA1A, AA1B, TR2, AA5, AA5A, AA5B M20C, M20E, M20F, M20G, M20J, M20K, 201, 231, 252, M22 P66C, P66T PA28-140, -150, -151, -160, -161, -180, -181, PA28R-180, PA28R-200, PA28R-201, PA28R-201T, PA28RT-201, PA28-201T, PA28-235, -236 T67c, T67M, T67M200 F19, F21, F21A, F22
Brake Disc- Stainless	APS175-02300	75-23 164-02300	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-23, Rev N/C dtd 5/1/95 or later FAA approved revision	Mooney Piper Aircraft Siai Marchetti	M20M PA28-236, PA32-260, -300, PA32R-300, PA32RT-300, PA32RT-300T, PA32-301, PA32-301T, PA32R-301, PA34-200, PA34-200T, PA34-220TPA44-180, PA44-180T 260SW

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re- placement for</u>	<u>FAA Design Approved Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
Brake Disc- Stainless	APS175-02504	75-25A 164-02504	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-25A, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft Raytheon Aircraft	337, T337 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, F33, F33A, F33C, G33, 35, A35 – S35V35, V35B, V35BTC, 35R, 76
Brake Disc- Stainless	APS175-02505	75-25B 164-02505	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-25B, Rev N/C dtd 5/1/95 or later FAA approved revision	Raytheon Aircraft	A36, B36TC, A36TC
Brake Disc- Stainless	APS175-02601	75-27 164-02601	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-27, Rev N/C dtd 5/1/95 or later FAA approved revision	Burkhart Cessna Aircraft Dehavilland FFA Grob Maule Air Mooney Saab Siai Marchetti Socata Stinson Univair Varga Waco	Twin Sailplane 120, 140, 150F – J, A150, 150K, 170, 172, F172, 175, 177, 180, 182, 305 DHC121, DHC122, DHC122A, DHC1B2S3, DHC1B2S5 AS202/18A4 G103 M4, M5, M5-180C, M5-200, M5-210C, M5-210C, M5-220C, M5-235C M10 MF1-15, 17 SF205, SF260, SF260C 100, 110, 125, 150, 180, MS893E, TB9 108, 108-1, 108-2, 108- 3, 108-5 108, 108-1, 108-2, 108- 3, 108-5, A2, A2A, M10 2180, 2150A Meteor, Minerva, Vela
Brake Disc- Stainless	APS175-03601	75-36 164-03601	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-36, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft Helio Aircraft Maule Air	180, 185, A185E, U206D, E, TU206D, E, H295, H391, H395 M5, M6-180, M6-235, M7-235
Brake Disc- Stainless	APS175-04000	75-40 164-04000	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-40, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft Great Lakes Aircraft	A150, 150K, F150, FA150, F152, FA152, 172, F172, 177, 177RG, 182, A182, 2T1A2, 2T1A, 2T1A1

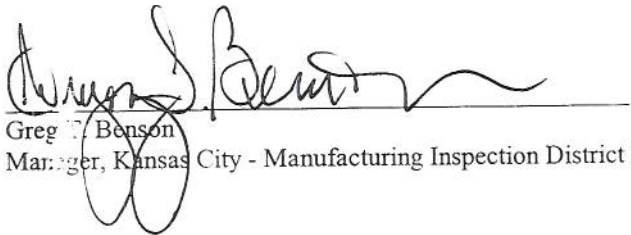
<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re- placement for</u>	<u>FAA Design Approved Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
Brake Disc- Stainless	APS175-04300	75-43 164-04300	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-43, Rev N/C dtd 5/1/95 or later FAA approved revision	Globe Swift Gulfstream Aerospace	GC1A, GC1B 112, 112A, 112B
Brake Disc- Stainless	APS175-06700	73-67 164-06700	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-67, Rev N/C dtd 5/1/95 or later FAA approved revision	Aviat Piper Aircraft Univair WTA	A1 J3, PA11, PA12, PA14, PA15, PA16, PA17, PA18, -150, PA18A- 150, PA20 PA11, PA12, PA14, PA16, PA18, PA20 PA18-150, PA18A-150
Brake Disc- Stainless	APS175-06900	75-69 164-06900	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-69, Rev N/C dtd 5/1/95 or later FAA approved revision	Piper Aircraft Raytheon Aircraft	PA38-112 77
Brake Disc- Stainless	APS175-30007	75-94 164-30007	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-94, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna	180 Series, 185 Series
Brake Disc Stainless	APS175-30195	75-93 164-30195	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-93, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	172, 177RG
Brake Disc Stainless	APS175-30388	75-97 164-30388	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-97, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	185, U206, TU206
Brake Disc Stainless	APS175-30398	75-96 164-30398	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-96, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	U206, TU206

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re- placement for</u>	<u>FAA Design Approved Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
Brake Disc Stainless	APS175-30414	75-95 164-30414	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-95, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	185
Brake Disc Stainless	APS175-30440	75-92 164-30440	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-92, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	172, 177RG, 182, F150, F152, F177RG, F182, FA152
Brake Disc Stainless	APS175-30615-1	75-15C 164-30615-1	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-15C, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	152, 172, 177RG, 182, F150, F152, F177RG, F182, FA152, FR172,
Brake Disc Stainless	APS175-30615-2	75-89 164-30615-2	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-89, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	185, 210, T210
Brake Disc Stainless	APS175-30615-3	75-90 164-30615-3	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-90, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	R182, U206, TU206, 210, T210, FR182, R182, T182, TR182
Brake Disc Stainless	APS175-30615-4	75-15C 164-30615-4	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-15C, Rev N/C dtd 5/1/95 or later FAA approved revision	Cessna Aircraft	152, 172, 177RG, 182, F150, F152, F177RG, F182, FA152, FR172,

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re- placement for</u>	<u>FAA Design Approved Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
Brake Disc Stainless	APS175-A1634B	75-86 A-1634-B	Identically per 14 CFR § 21.303, licensing agreement between Aviation Products Inc. and Aviation Products Systems letter dated 12/19/2001 Dwg No: 75-86, Rev N/C dtd 5/1/95 or later FAA approved revision	Consolidated Aeronautics	Lake LA-4 series Lake LA-4-200 series

***** END OF LISTING *****

NOTE: The procedures that have been accepted by the type certificate or TSOA holder and their cognizant FAA Aircraft Certification Office, for minor changes to original parts used on type certificated products, are also acceptable for incorporating the same minor changes on identical FAA-PMA replacement parts. The FAA-PMA holder shall be able to show traceability 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 parts 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.


 Greg T. Benson
 Manager, Kansas City - Manufacturing Inspection District Office

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA No. PQ3830CE
Supplement No. 03
May 14, 2004

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re- placement for</u>	<u>FAA Design Approval Means</u>	<u>Installation Eligibility</u>	<u>Model</u>
Brake Disc	APS164-01501	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) 164-01501	Identically per 14 CFR § 21.303 (c) Dwg. No: APS164-01501 Rev: J Date: 10/25/01 or later FAA approved revision.	Cessna Aircraft	182S, 182T, T182T, 206H, T206H
Brake Disc	APS164-04000	Parker Hannifin Corp. (formerly Cleveland Wheels and Brakes) 164-04000	Identically per 14 CFR § 21.303 (c) Dwg No: APS164-04000 Rev: J Date: 10/25/01 or later FAA approved revision	Cessna Aircraft	172R, 172S
Brake Lining	APS66-10500	Parker Hannifin Corp. (formerly Cleveland Wheels and Brakes) 066-10500, 066-03000	Identically per 14 CFR § 21.303 (c) Dwg No: APS66-10500 Rev: C Date: 5/19/03 or later FAA approved revision	Cessna Aircraft	172S, 172T

* * * * 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.

//s//DNS

David N. Surguy
Aviation Safety Inspector
Kansas City - Manufacturing Inspection District Office

Date

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U.S. Department
of Transportation

**Federal Aviation
Administration**

Small Airplane Directorate Kansas
City Manufacturing Inspection District
Office

901 Locust Street, Room 376
Kansas City, MO 64106
Tel: 816-329-4190 Fax: 816-329-4195

May 18, 2005

Project No. PQ3830CE

Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of 14 CFR part 21, Subpart K, we have found that the design data, based on Test and Computation, submitted by Aviation Products Systems, Inc. with your letter dated May 3, 2005, meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, it has been determined that Aviation Products Systems, Inc. has established the fabrication inspection system required by Part 21 § 21.303(h) at 3701 Hwy 162, Granite City, Illinois. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 4, dated, May 18, 2005.

You are reminded that the provisions of the Federal Aviation Regulations, noted in our PMA letter of approval dated May 8, 2002, also apply to the enclosed PMA Listing-Supplement No. 4.

Sincerely,

//s//DNS
David N. Surguy
Aviation Safety Inspector
Kansas City Manufacturing Inspection District Office

Enclosure

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA No. PQ3830CE
Supplement No. 4
Date: May 18, 2005

<u>Part 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>
Brake Disc	APS164-00206	Cleveland P/N 164-00206	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-00206 Rev. N/C, Dated 4/19/04 or later FAA approved revisions	The New Piper Aircraft, Inc.	PA-23-235, PA-23-250
Brake Disc	APS164-00300	Cleveland P/N 164-00300	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-00300 Rev. N/C, Dated 4/19/04 or later FAA approved revisions	Univair Aircraft Corporation	Univair (Erco) E, G, 415-D, (Forney) F-1, F-1A (Mooney) (ERCO) 415-C, 415CD
Brake Disc	APS164-00400	Cleveland P/N 164-00400	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-00400 Rev. N/C, Dated 4/19/04 or later FAA approved revisions	Cessna Aircraft Company	150A, 150B
Brake Disc	APS164-01000	Cleveland P/N 164-01000	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-01000 Rev. N/C, Dated 4/19/04 or later FAA approved revisions	The New Piper Aircraft, Inc.	PA-30
Brake Disc	APS164-01300	Cleveland P/N 164-01300	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-01300 Rev. N/C, Dated 4/19/04 or later FAA approved revisions	LATINOAM- ERICANA DE AVIACION (LAVIA) S.A.	PA-25
Brake Disc	APS164-01506	Cleveland P/N 164-01506	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-01506 Rev. N/C, Dated 4/19/04 or later FAA approved revisions	B-N Group Ltd.	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-26, BN-2B-27
Brake Disc	APS164-01600	Cleveland P/N 164-01600	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-01600 Rev. N/C, Dated 4/19/04 or later FAA approved revisions	Cessna Aircraft Company	150D, 150E

<u>Part 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>
Brake Disc	APS164-02800	Cleveland P/N 164-02800	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-02800 Rev. N/C, Dated 4/19/04 or later FAA approved revisions	Aircraft Parts & Development Corp	APDC (CALLAIR) A-9B
Brake Disc	APS164-03206	Cleveland P/N 164-03206	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-03206 Rev. B, Dated 1/16/04 or later FAA approved revisions	The New Piper Aircraft, Inc.	PA-23-250
Brake Disc	APS164-03300	Cleveland P/N 164-03300	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-03300 Rev. N/C, Dated 4/19/04 or later FAA approved revisions	LATINOAM- ERICANA DE AVIACION (LAVIA) S.A.	PA-25
Brake Disc	APS164-05006	Cleveland P/N 164-05006	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-05006 Rev. N/C, Dated 4/19/04 or later FAA approved revisions	AeroStar Aircraft Corp.	PA-60-600, PA-60-601
Brake Disc	APS164-05700	Cleveland P/N 164-05700	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-05700 Rev. B, Dated 1/16/04 or later FAA approved revisions	The New Piper Aircraft, Inc.	PA-23-250
Brake Disc	APS164-06106	Cleveland P/N 164-06106	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-06106 Rev. N/C, Dated 4/19/04 or later FAA approved revisions	Raytheon Aircraft Company	Beech D55, D55A, E55, E55A, 58, 58A, 95, 95-55, 95-B55, 95- B55A, 95-B55B, 95-C55, 95-C55A, 95-A55, B95, B95A, D95A, E95
Brake Disc	APS164-07800	Cleveland P/N 164-07800	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-07800 Rev. B, Dated 1/16/04 or later FAA approved revisions	Vulcanair S.p.A.	P68, P68B, P68C, P68C-TC
Brake Disc	APS164-08300	Cleveland P/N 164-08300	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-08300 Rev. N/C, Dated 4/19/04 or later FAA approved revisions	Alliance Aircraft Group, LLC (Helio)	H-295, H-391, H-395
Brake Disc	APS164-08406	Cleveland P/N 164-08406	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-08406 Rev. N/C, Dated 4/19/04 or later FAA approved revisions	Cessna Aircraft Company	T303
Brake Disc	APS164-08500	Cleveland P/N 164-08500	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-08500 Rev. B, Dated 1/16/04 or later FAA approved revisions	General AVIA Costruzioni Aeronautiche	F22B, F22C, F22R

<u>Part 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>
Brake Disc	APS164-21600	Cleveland P/N 164-21600	Test and Computations Per 14 CFR Part 21.303 Dwg No. APS164-21600 Rev. B, Dated 1/16/04 or later FAA approved revisions	The New Piper Piper Aircraft, Inc.	PA-32-260, PA-32-301, PA- 32-301T, PA-32R-300, PA- 32RT-300, PA-32RT-300T, PA-34-200, PA-34-200T, PA-34-220T, PA-44-180T, PA-46-310P

***** **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.

//s// DNS

Gregory T. Benson
Manager
Kansas City - Manufacturing Inspection District Office

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

Small Airplane Directorate
Kansas City, Manufacturing Inspection
District Office (MIDO)
901 Locust Street, Room 376
Kansas City, MO 64106-2641
Tel: 816-329-4190 Fax: 816-329-4195

October 24, 2006

Mr. Roy Scott
Quality Assurance Manager
Aviation Products Systems, Inc.
3701 Highway 162
Granite City, IL 62040

Project No. PQ3830CE

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Per 14 CFR Part 21, Subpart K, we found design data submitted with your letter dated October 17, 2006 to meet the airworthiness requirements of the regulations for the products on which the parts are to be installed. We based our finding on Test and Computation. Also, we determined that your company set up the fabrication inspection system at 3701 Highway 162, Granite City, Illinois as required by 14 CFR § 21.303(h). Therefore, we grant Parts Manufacturing Approval (PMA), which authorizes you to produce the replacement parts in the enclosed Supplement No 6.

We remind you that the provisions of 14 CFR, noted in our PMA letter of approval dated May 8, 2002, also apply to the enclosed PMA Listing-Supplement No.6. Please keep the enclosed supplement with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

David N. Surguy,
Aviation Safety Inspector
Kansas City, Manufacturing Inspection
District Office

Enclosure

Brake Disc	APS164-07200	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-07200	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-07200 <u>Rev:</u> N/C <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Twin Commander Mitsubishi	TWIN COMMANDER 560-F, 680-F, 680FL, 680FL(P), 680T, 680V, 680W, 681, 685, 690, 690A, 690B, 690C, 690D, 695, 695A, 695B; MITSUBISHI MU-2B-10, MU-2B-15, MU-2B-20, MU-2B-25, MU-2B-26, MU-2B-30, MU-2B-35, MU-2B-36, MU-2B-36A, MU-2B-40, MU-2B-60
Brake Disc	APS164-07400	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-07400	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-07400 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	The New Piper Aircraft, Inc.	PIPER PA-42, PA-42-720
Brake Disc	APS164-07700	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-07700	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-07700 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	The New Piper Aircraft, Inc.	PIPER PA-31, PA-31-300, PA-31-325, PA-31-350, PA-31P
Brake Disc	APS164-07906	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-07906	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-07906 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	The New Piper Aircraft, Inc.	PIPER PA-31--325, PA-31-350
Brake Disc	APS164-09100	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-09100	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-09100 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Cessna Aircraft Company	CESSNA 404
Brake Disc	APS164-20206	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-20206	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-20206 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Cessna Aircraft Company	CESSNA 310, 310A-J, 310J-1, 310K, 310L, 310N, 310P, 310Q, 310R, E310H, E310J, T310P, T310Q, T310R, 340, 340A
Brake Disc	APS164-20306	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-20306	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-20306 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Cessna Aircraft Company	CESSNA 340, 340A, 401, 401A, 401B, 402 Series, 411, 411A, 414, 414A, 421, 421A, 421B, 421C

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

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

PMA No: PQ3830CE
Supplement No. 6
Date: October 24, 2006

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For Part NO.</u>	<u>Approval Basis and Approved Design Data</u>	<u>MAKE Eligibility:</u>	<u>MODEL Eligibility:</u>
Lining – Brake	APS066-07300	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 066-07300 as used with Brake Discs 164-07400, 164-20600, 164-20700	Test and Computations per 14CFR § 21.303 <u>Drawing:</u> APS066-07300 <u>Rev:</u> N/C <u>Dated:</u> 19 Oct 2005 Or later FAA approved revision.	The New Piper Aircraft Inc; Cessna Aircraft Company Twin Commander	PA-42, PA-42-720, PA-31T2 441 TWIN COMMANDER 500, 500-A, 500-B, 500-S, 500-U 560-F, 680-F, 680FL, 680FL(P), 680T, 680V, 680W, 681, 685, 690, 690A, 690B, 690C, 690D, 695, 695A, 695B;
Lining - Brake	APS066-09000	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 066-09000 as used with Brake Discs 164-07200, 164-20900, 164-22000, 164-22900	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-00806 <u>Rev:</u> N/C <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Mitsubishi; Raytheon Aircraft Company;	MITSUBISHI MU-2B-10, MU-2B-15, MU-2B-20, MU-2B-25, MU-2B-26, MU-2B-30, MU-2B-35, MU-2B-36, MU-2B-36A, MU-2B-40, MU-2B-60; BEECH 3N, 3NM, 3TM, D18C, D18S, E18S, E18S-9700, G18S, H18, C45G, C-45H, RC-45J, TC-45G, TC-45H, TC-45J, 65-A90-4, B90, C90, C90A, E90, JRB-665, 65-80, 65-88, 65-A80, 65-B80, A65, 70

Brake Disc	APS164-00806	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-00806	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-00806 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Cessna Aircraft Company	CESSNA 190, 195, 195A-B, 310, 310A-J, 310J-1, 310K-L, 310N, 310P-R, E310H, E310J, T310P, T310Q, T310R, 335, 340, 340A, 401, 401A, 401B, 411, 411A, 414
Brake Disc	APS164-01406	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-01406	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-01406 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Cessna Aircraft Company	CESSNA 310, 310A-J, 310J-1, 310K, 310L, 310N, 310P, 310Q, 310R, 320, 320-1, 320A-F, E310H-J, T310P, T310Q, T310R
Brake Disc	APS164-03006	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-03006	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-03006 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Air Tractor Cessna Piper AgCat Weatherly	AIR TRACTOR AT-300, AT-301, AT-302, AT-302A, AT-400A; CESSNA A188B;T188C; PIPER PA-36-285, PA-36-300, PA-36-375; AGCAT G-164A; WEATHERLY 201A, 201B, 201C, 620, 620A, 620B, 620TP
Brake Disc	APS164-03106	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-03106	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-03106 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Cessna Aircraft Company	CESSNA A188B, T188C
Brake Disc	APS164-03506	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-03506	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-03506 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	The New Piper Aircraft, Inc.	PIPER PA-31-300
Brake Disc	APS164-03906	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-03906	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-03906 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	The New Piper Aircraft Inc.	PIPER PA-31T
Brake Disc	APS164-04406	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-04406	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-04406 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	The New Piper Aircraft Inc.	PIPER PA-31-325, PA-31-350

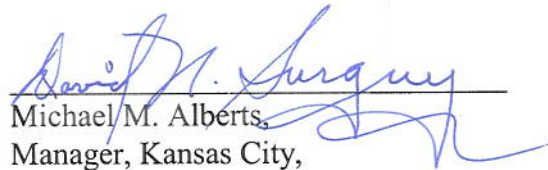
Brake Disc	APS164-05006	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-05006	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-05006 <u>Rev:</u> A <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	AeroStar Aircraft Corp; Twin Commander	AEROSTAR PA-60-600, PA-60-601, PA-60-601P, PA-60-700P ; TWIN COMMANDER 700
Brake Disc	APS164-05500	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-05500	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-05500 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Cessna Aircraft	CESSNA 425
Brake Disc	APS164-05606	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-05606	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-05606 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Air Tractor Ayres	AIR TRACTOR AT-401, AT-401A AYRES S2R-600, S2R-800
Brake Disc	APS164-05806	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-05806	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-05806 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Air Tractor Ayres AgCat	AIR TRACTOR AT-400, AT-402, AT-501, AT-502, AT-503, AT-503A; AYRES S2R-600, S2R-600-T66, S2R-800; AGCAT G-164B, G-164C, G-164D
Brake Disc	APS164-06106	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-06106	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-06106 <u>Rev:</u> A <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Raytheon Aircraft Company	BEECH B60
Brake Disc	APS164-06306	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-06306	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-06306 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	DeHavilland Raytheon Aircraft Company	DEHAVILAND DHC-2 (L-20A) Mk.I, Mk. II, Mk. III; BEECH 50(L-23A), B50(L-23B, L-23D, RL-23D), C50, D50, (L-23E), D50A, D50B, D50C, D50E, E50, F50, G50, H50, J50
Brake Disc	APS164-06406	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-06406	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-06406 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Cessna Aircraft Company	CESSNA 340, 340A, 401, 401A, 401B, 402, 402A, 402B, 402C, 411, 411A, 414, 414A, 421C

Brake Disc	APS164-20600	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-20600	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-20600 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	The New Piper Aircraft, Inc.	PIPER PA-31T2
Brake Disc	APS164-20700	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-20700	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-20700 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Cessna Aircraft Company	CESSNA 441
Brake Disc	APS164-20806	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-20806	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-20806 <u>Rev:</u> N/C <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Raytheon Aircraft Company	BEECH 58P, 58TC, B60
Brake Disc	APS164-20900	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-20900	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-20900 <u>Rev:</u> N/C <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Raytheon Aircraft Company Fairchild Aircraft	BEECH 3N, 3NM, 3TM, D18C, D18S, E18S, E18S-9700, G18S, H18, C45G, C-45H, RC-45J, TC-45G, TC-45H, TC-45J, 65-A90-4, B90, C90, C90A, E90, JRB-6 FAIRCHILD SA26-AT, SA26-T
Brake Disc	APS164-21000	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-21000	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-21000 <u>Rev:</u> N/C <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Raytheon Aircraft Company	BEECH F90, 99, 99A, A99A, B99, C99, 100, A100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B100, B200, B200C, B200CT, B200T
Brake Disc	APS164-21900	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-21900	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-21900 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	The New Piper Aircraft Company	PIPER PA-31-350
Brake Disc	APS164-22000	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-22000	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-22000 <u>Rev:</u> N/C <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Twin Commander	TWIN COMMANDER 500, 500-A, 500-B, 500-S, 500-U

Brake Disc	APS164-22201	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-22201	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-22201 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Cessna Aircraft Company	CESSNA 208, 208B
Brake Disc	APS164-22202	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-22202	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-22202 <u>Rev:</u> B <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Air Tractor Ayres	AIR TRACTOR AT-602; AYRES Thrush S2R-660
Brake Disc	APS164-22400	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-22400	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-22400 <u>Rev:</u> N/C <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Raytheon Aircraft Company deHaviland	BEECH 3N, 3NM, 3TM, D18C, D18S, E18S, E18S-9700, G18S, H18, C45G, C-45H, RC-45J, TC-45G, TC-45H, TC-45J, JRB-6; DEHAVILAND DHC-6-1-100, DHC-6-1-200, DHC-6-1-300
Brake Disc	APS164-22900	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-22900	Test and Computations Per 14 CFR § 21.303 (c), AVPRO <u>Drawing:</u> APS164-22900 <u>Rev:</u> N/C <u>Dated:</u> 19 Oct 2005 or later FAA approved revision.	Raytheon Aircraft Company	BEECH 65, 65-80, 65-88, 65-A80, 65-B80, A65, 70

-----End of Listing-----

NOTE: provide minor design changes in a manner as determined by the ACO. Handle Major design changes to drawings and specifications in the same manner as that for an Original FAA-PMA. If TC holder's ICA applies to these replacement parts, provide a statement noting such. If not provide supplementary ICA per 14CFR § 21.50.

for

 Michael M. Alberts,
 Manager, Kansas City,
 Manufacturing Inspection District Office


 Date:



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

Small Airplane Directorate
Kansas City, Manufacturing Inspection
District Office (MIDO)
901 Locust Street, Room 376
Kansas City, MO 64106-2641
Tel: 816-329-4190 Fax: 816-329-4195

January 26, 2007

Roy Scott
Quality Assurance Manager
Aviation Products Systems, Inc.
3701 Highway 162
Granite City, IL 62040

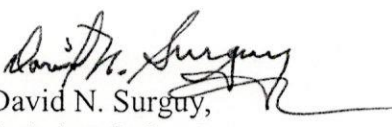
Project No. PQ3830CE

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Per 14 CFR Part 21, Subpart K, we found design data submitted with your letter dated January 25, 2007, to meet the airworthiness requirements of the regulations for the products on which the parts are to be installed. We based our finding on Identity. Also, we determined that your company set up the fabrication inspection system at 3701 Highway 162, Granite City, Illinois as required by 14 CFR § 21.303(h). Therefore, we grant Parts Manufacturing Approval (PMA), which authorizes you to produce the replacement parts in the enclosed Supplement No 7.

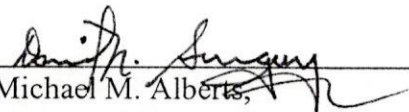
We remind you that the provisions of 14 CFR, noted in our PMA letter of approval dated May 8, 2002, also apply to the enclosed PMA Listing-Supplement No. 7. Please keep the enclosed supplement with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,


David N. Surgny,
Aviation Safety Inspector
Kansas City, Manufacturing Inspection
District Office

Enclosure

NOTE: provide minor design changes in a manner as determined by the ACO. Handle Major design changes to drawings and specifications in the same manner as that for an Original FAA-PMA. If TC holder's ICA applies to these replacement parts, provide a statement noting such. If not provide supplementary ICA per 14CFR § 21.50.



Michael M. Alberts,

for Manager, Kansas City,
Manufacturing Inspection District Office



Date:

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Aviation Products Systems
3701 Highway 162
Granite City, Illinois 62040

PMA No: PQ3830CE
Supplement No. 7
Date: January 26, 2007

Part Name	Part Number	Approved Replacement For Part No.	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Brake Disc	APS164-00500	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-00500	Identicality Per 14 CFR Part 21.303 Dwg No. APS164-00500 Rev. J Dated 10/25/01 or later FAA approved revisions	Cessna Aircraft Company The New Piper Aircraft Inc.	150C PA-28-160
Brake Disc	APS164-00900	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-00900	Identicality Per 14 CFR Part 21.303 Dwg No. APS164-00900 Rev. J Dated 10/25/01 or later FAA approved revisions	Mooney Aircraft Corporation	M20D
Brake Disc	APS164-01501	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-01501	Identicality Per 14 CFR Part 21.303 Dwg No. APS164-01501 Rev. J Dated 10/25/01 or later FAA approved revisions	Cessna Aircraft Company	180A thru 180H, 180J, 185, 185A, 185B, 185F, A185F, A188, A188A, 188A, 188B, U206E, U206F, TU206E, TU206F, P206, 206H, T206H, 207, 207A, T207, T207A, P210N, 210, 210A thru 210N, T210F, T210C, T210K thru T210N.
Brake Disc	APS164-01900	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-01900	Identicality Per 14 CFR Part 21.303 Dwg No. APS164-01900 Rev. J Dated 10/25/01 or later FAA approved revisions	SOCATA – Groupe Aerospatiale Wing Aircraft	235GT, 235CA D-1 Derringer
Brake Disc	APS164-02201	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-02201	Identicality Per 14 CFR Part 21.303 Dwg No. APS164-02201 Rev. J Dated 10/25/01 or later FAA approved revisions	The New Piper Aircraft, Inc.	PA-30
Brake Disc	APS164-02504	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-02504	Identicality Per 14 CFR Part 21.303 Dwg No. APS164-02504 Rev. J Dated 10/25/01 or later FAA approved revisions	Raytheon Aircraft Company Cessna Aircraft Company	E33A 337A(USAF O2B), 337B, T337B thru T337E, M337B(USAF 02A)

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis And Approved Design Data	Make Eligibility	Model Eligibility
Brake Disc	APS164-02601	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-02601	Identity Per 14 CFR Part 21.303 Dwg No. APS164-02601 Rev. J Dated 10/25/01 or later FAA approved revisions	SOCATA – Groupe Aerospatiale	100S, 150T, 150ST, 180T
				Cessna Aircraft Company	140A, A150K, 170A, 170B, 172A thru 172I, P172D, 175A thru 175C, 177A, 177B, 180A thru 180F, 182A thru 182G.
				Reims Aviation S.A.	F150H, F150J, F172F, F172G, F172H
Brake Disc	APS164-02706	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-02706	Identity Per 14 CFR Part 21.303 Dwg No. APS164-02706 Rev. J Dated 10/25/01 or later FAA approved revisions	Maule Aerospace Technology Inc.	M5 Series, M6 Series, M7 Series, MX7 Series, MT7 Series, MXT7 Series, M8 Series
				Raytheon Aircraft Company	A56TC, A45(T-34A, B45), D45(T-34B)
Brake Disc	APS164-02707	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-02707	Identity Per 14 CFR Part 21.303 Dwg No. APS164-02707 Rev. J Dated 10/25/01 or later FAA approved revisions	Sierra Hotel Aero Inc.	Navion A, B, D, E, F, G, H.
Brake Disc	APS164-03601	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-03601	Identity Per 14 CFR Part 21.303 Dwg No. APS164-03601 Rev. J Dated 10/25/01 or later FAA approved revisions	Cessna Aircraft Company	180A thru 180H, 180J, 180K, A185E, A185F, 185A, 185B, 185D, 185E, 206, P206, U206, U206F, U206G, TU206E thru TU206G, 207, 207A, T207, T207A.
				Maule Aerospace Technology Inc.	M5 Series, M6 Series, M7 Series, MX7 Series, MT7 Series, MXT7 Series, M8 Series

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis And Approved Design Data	Make Eligibility	Model Eligibility
Brake Disc	APS164-04000	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-04000	Identity Per 14 CFR Part 21.303 Dwg No. APS164-04000 Rev. J Dated 10/25/01 or later FAA approved revisions	Cessna Aircraft Company Reims Aviation S.A.	150, A150K, 150L, A150L, A150M, 152, A152, 172L, R172E thru R172H, R172J, R172K, 177A, 177B, 182N F150G, F150H, F150J, F150K, FA150K, F150L, FA150L, F150M, FRA150L, F172D thru F172H, F172K thru F172N, F172P, FR172E THRU FR172H, FR172J, FR172K, F177RG, F182P, F182Q
Brake Disc	APS164-04300	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-04300	Identity Per 14 CFR Part 21.303 Dwg No. APS164-04300 Rev. J Dated 10/25/01 or later FAA approved revisions	Raytheon Aircraft Company	19A, B19, M19A, 23, A23, A23A, B23, C23, A23-24, A24, A24R
Brake Disc	APS164-05006	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-05006	Identity Per 14 CFR Part 21.303 Dwg No. APS164-05006 Rev. J Dated 4/19/04 or later FAA approved revisions	AeroStar Aircraft Corp. Twin Commander	PA-60-601P, PA-60-700P 700
Brake Disc	APS164-06700	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-06700	Identity Per 14 CFR Part 21.303 Dwg No. APS164-06700 Rev. J Dated 10/25/01 or later FAA approved revisions	The New Piper Aircraft, Inc.	PA165, J3P, J4B, J4F, PA11S, J3-65S, J3C-40, J3C-50, J3C-65, (ARMY L-4D), J3F-65S, J3F-50, J3L, J3L-S, J3L-65S, J3L-65 (Army L-4C), J4, J4A, J5-A (Army L-4F), J5A-80, J5C, J5 Series, J4E (Army L-4E)
Brake Disc	APS164-30195	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-30195	Identity Per 14 CFR Part 21.303 Dwg No. APS164-30195 Rev. J Dated 10/25/01 or later FAA approved revisions	Cessna Aircraft Company	177
Brake Disc	APS164-30440	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-30440	Identity Per 14 CFR Part 21.303 Dwg No. APS164-30440 Rev. J Dated 10/25/01 or later FAA approved revisions	Cessna Aircraft Company	182 Series, R172 Series, 150, A150 Series, 177

-----End of Listing-----



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

Small Airplane Directorate
Kansas City, Manufacturing Inspection
District Office (MIDO)
901 Locust Street, Room 376
Kansas City, MO 64106-2641
Tel: 816-329-4190 Fax: 816-329-4195

March 27, 2007

Roy Scott
Quality Assurance Manager
Aviation Products Systems, Inc.
3701 Highway 162
Granite City, IL 62040

Project No. PQ3830CE

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Per 14 CFR Part 21, Subpart K, we found design data submitted with your letter dated March 26, 2007, to meet the airworthiness requirements of the regulations for the products on which the parts are to be installed. We based our finding on Identity. Also, we determined that your company set up the fabrication inspection system at 3701 Highway 162, Granite City, Illinois as required by 14 CFR § 21.303(h). Therefore, we grant Parts Manufacturing Approval (PMA), which authorizes you to produce the replacement parts in the enclosed Supplement No 8.

We remind you that the provisions of 14 CFR, noted in our PMA letter of approval dated May 8, 2002, also apply to the enclosed PMA Listing-Supplement No. 8. Please keep the enclosed supplement with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

David N. Surguy,
Aviation Safety Inspector
Kansas City, Manufacturing Inspection
District Office

Enclosure

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Aviation Products Systems
3701 Highway 162
Granite City, Illinois 62040

PMA No: PQ3830CE
Supplement No. 8
Date: March 27, 2007

Part Name	Part Number	Approved Replacement For Part No.	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Lining-Brake	APS66-06200	Parker Hannifin Corp P/N 066-06200	Identity Per 14 CFR Part 21.303 Dwg No. APS66-06200 Rev. B Dated 2/06/02 or later FAA approved revisions	Cirrus Design	Cirrus SR22
Lining-Brake	APS66-10500	Parker Hannifin Corp P/N 066-10500	Identity Per 14 CFR Part 21.303 Dwg No. APS66-10500 Rev. C Dated 5/19/03 or later FAA approved revisions	Cirrus Design	Cirrus SR20
Rivet	APS105-00200	Parker Hannifin Corp P/N 105-00200	Identity Per 14 CFR Part 21.303 Dwg No. APS105-00200 Rev. B Dated 2/14/02 or later FAA approved revisions	Cirrus Design	Cirrus SR20
Brake Disc	APS164-01501	Parker Hannifin Corp P/N 164-01501	Identity Per 14 CFR Part 21.303 Dwg No. APS164-01501 Rev. J Dated 10/25/01 or later FAA approved revisions	Cirrus Design	Cirrus SR20
Brake Disc	APS164-02504	Parker Hannifin Corp P/N 164-02504	Identity Per 14 CFR Part 21.303 Dwg No. APS164-02504 Rev. J Dated 10/25/01 or later FAA approved revisions	Cirrus Design	Cirrus SR22
Pin	APS177-00300	Parker Hannifin Corp. P/N 164-24400	Identity Per 14 CFR Part 21.303 Dwg No. APS177-00300 Rev. A Dated 2/14/02 or later FAA approved revisions	Cirrus Design	Cirrus SR22

-----End of Listing-----

NOTE: provide minor design changes in a manner as determined by the ACO. Handle Major design changes to drawings and specifications in the same manner as that for an Original FAA-PMA. If TC holder's ICA applies to these replacement parts, provide a statement noting such. If not provide supplementary ICA per 14CFR § 21.50.

for *Michael M. Alberts*

Michael M. Alberts,
Manager, Kansas City,
Manufacturing Inspection District Office

March 27, 2007

Date:



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

Small Airplane Directorate
Kansas City, Manufacturing Inspection
District Office (MIDO)
901 Locust Street, Room 376
Kansas City, MO 64106-2641
Tel: 816-329-4190 Fax: 816-329-4195

September 28, 2007

Ron Wilkinson
Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

Project No. PQ3830CE

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Per 14 CFR Part 21, Subpart K, we found design data submitted with your letters dated February 19, 2007 to meet the airworthiness requirements of the regulations for the products on which the parts are to be installed. We based our findings on 1) Identity and 2) Test and Computation, reference FAA letter dated September 21, 2007. Also, we determined that your company set up the fabrication inspection system at 3701 Hwy 162, Granite City, IL 62040, as required by 14 CFR § 21.303(h). Therefore, we grant Parts Manufacturing Approval (PMA), which authorizes you to produce the replacement parts in the enclosed PMA Supplement No 9.

We remind you that the provisions of 14 CFR, noted in our PMA letter of approval dated May 8, 2002 also apply to the enclosed PMA Listing-Supplement No.9. Please keep the enclosed supplement with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

Jeff Dyleski
Aviation Safety Inspector
Kansas City Manufacturing Inspection District Office

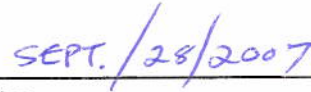
Enclosure

NOTE: provide minor design changes in a manner as determined by the ACO. Handle Major design changes to drawings and specifications in the same manner as that for an Original FAA-PMA. If TC holder's ICA applies to these replacement parts, provide a statement noting such. If not provide supplementary ICA per 14CFR § 21.50.



for

Michael M. Alberts,
Manager, Kansas City,
Manufacturing Inspection District Office



Date:

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

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

PMA No: PQ3830CE
Supplement No. 9
Date: September 28, 2007

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For Part NO.</u>	<u>Approval Basis and Approved Design Data</u>	<u>MAKE Eligibility:</u>	<u>MODEL Eligibility:</u>
Lining - Brake	APS66-10500	Parker Hannifin P/N 066-10500	Identicality Per 14 CFR Part 21.303 <u>Drawing:</u> APS66-10500 <u>Rev:</u> C <u>Dated:</u> 5/19/03 or later FAA approved revisions	Diamond Aircraft	DA42
Lining - Brake	APS66-14100	Parker Hannifin P/N 066-14100	Test and Computations Per 14 CFR Part 21.303 <u>Drawing:</u> APS66-14100 <u>Rev:</u> - <u>Dated:</u> 2/21/06 or later FAA approved revisions	Diamond Aircraft	DA40
Rivet	APS105-00200	Parker Hannifin P/N 105-00200	Identicality Per 14 CFR Part 21.303 <u>Drawing:</u> APS105-00200 <u>Rev:</u> B <u>Dated:</u> 2/14/02 or later FAA approved revisions	Diamond Aircraft	DA20, DA40, DA42
Brake Disc	APS164-01501	Parker Hannifin P/N 164-01501	Identicality Per 14 CFR Part 21.303 <u>Drawing:</u> APS164-01501 <u>Rev:</u> J <u>Dated:</u> 10/25/01 or later FAA approved revisions	Diamond Aircraft	DA42
Brake Disc	APS164-21200	Parker Hannifin P/N 164-21200	Test and Computations Per 14 CFR Part 21.303 <u>Drawing:</u> APS164-21200 <u>Rev:</u> - <u>Dated:</u> 2/22/06 or later FAA approved revisions	Diamond Aircraft	DA42
Brake Disc	APS164-24200	Parker Hannifin P/N 164-24200	Test and Computations Per 14 CFR Part 21.303 <u>Drawing:</u> APS164-24200 <u>Rev:</u> - <u>Dated:</u> 2/21/06 or later FAA approved revisions	Diamond Aircraft	DA20
Brake Disc	APS164-24400	Parker Hannifin P/N 164-24400	Test and Computations Per 14 CFR Part 21.303 <u>Drawing:</u> APS164-24400 <u>Rev:</u> - <u>Dated:</u> 1/31/05 or later FAA approved revisions	Diamond Aircraft	DA40

*****End of Listing*****



U.S. Department
of Transportation
**Federal Aviation
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Kansas City, MO 64106-2641
Tel: 816-329-4190 Fax: 816-329-4195

September 9, 2008

Ron Wilkinson
Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

Project No. PQ3830CE

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Per 14 CFR Part 21, Subpart K, we found design data submitted with your letter dated December 20, 2007 to meet the airworthiness requirements of the regulations for the products on which the parts are to be installed. We based our findings on 1) Identity and 2) Test and Computation. Also, we determined that your company set up the fabrication inspection system at 3701 Hwy 162, Granite City, IL 62040, as required by 14 CFR § 21.303(h). Therefore, we grant Parts Manufacturing Approval (PMA), which authorizes you to produce the replacement parts in the enclosed PMA Supplement **No 10**.

We remind you that the provisions of 14 CFR, noted in our PMA letter of approval dated May 8, 2002, also apply to the enclosed PMA Listing-Supplement **No. 10**.

Please keep the enclosed supplement with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

John Kolin
Aviation Safety Inspector
Kansas City Manufacturing Inspection District Office

Enclosure

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

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

PMA No: PQ3830CE
Supplement No. 10
Date: September 9, 2008


<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For Part NO.</u>	<u>Approval Basis and Approved Design Data</u>	<u>MAKE Eligibility:</u>	<u>MODEL Eligibility:</u>
Brake Disc	APS164-01100	Parker Hannifin 164-01100	Test and Computations per 14CFR § 21.303 Drawing: APS164-01100 Rev: A Dated: 07/28/07 Or later FAA approved revision.	Allied AG- CAT Productions American Champion Aircraft Corp Pacific Aerospace Limited	G-164 8GCBC FU24-954 FU24A-954
Brake Disc	APS164-06506	Parker Hannifin 164-06506	Test and Computations per 14CFR § 21.303 Drawing: APS164-06506 Rev: - Dated: 3/13/06 Or later FAA approved revision.	Raytheon Aircraft	T-34C
Brake Disc	APS164-08200	Parker Hannifin 164-08200	Test and Computations per 14CFR § 21.303 Drawing: APS164-08200 Rev: - Dated: 4/19/04 Or later FAA approved revision.	Aerospace Technology of Australia Pty Ltd	N24A
Brake Disc	APS164-08300	Parker Hannifin 164-08300	Test and Computations per 14CFR § 21.303 Drawing: APS164-08300 Rev: - Dated: 4/19/04 Or later FAA approved revision.	Aerospace Technology of Australia Pty Ltd	N22B

Brake Disc	APS164-20500	Parker Hannifin 164-20500	Test and Computations per 14CFR § 21.303 <u>Drawing:</u> APS164-20500 <u>Rev:</u> A <u>Dated:</u> 12/04/04 Or later FAA approved revision.	Vulcanair S.p.A (formerly Partenavia)	AP68TP300
Brake Disc	APS164-24500	Parker Hannifin 164-24500	Test and Computations per 14CFR § 21.303 <u>Drawing:</u> APS164-24500 <u>Rev:</u> - <u>Dated:</u> 02/03/05 Or later FAA approved revision.	Revo Inc (formerly Lake)	LA-250, LA-250 Turbo as modified by STC SA469NE
Brake Disc	APS164-A1634B	AVPRO 175-A1634B Appalachian AA- 86 and 75-86 Gerdes A-1634-B	Test and Computations per 14CFR § 21.303 <u>Drawing:</u> APS164-A1634B <u>Rev:</u> A <u>Dated:</u> 7/09/07 Or later FAA approved revision.	Revo Inc (formerly Lake)	LA-4 series LA-4-200

-----End of Listing-----

NOTE: provide minor design changes in a manner as determined by the ACO. Handle Major design changes to drawings and specifications in the same manner as that for an Original FAA-PMA. If TC holder's ICA applies to these replacement parts, provide a statement noting such. If not provide supplementary ICA per 14CFR § 21.50.

September 9, 2008


 For Michael M. Alberts,
 Manager, Kansas City,
 Manufacturing Inspection District Office

 Date:



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

Small Airplane Directorate
Kansas City, Manufacturing Inspection
District Office (MIDO)
901 Locust Street, Room 376
Kansas City, MO 64106-2641
Tel: 816-329-4190 Fax: 816-329-4195

July 30, 2009

Ron Wilkinson
Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

Project No. PQ3830CE

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Per 14 CFR Part 21, Subpart K, we found design data submitted with your letter dated July 6, 2009 to meet the airworthiness requirements of the regulations for the products on which the parts are to be installed. We based our findings on licensing agreement between Aviation Products, Inc and Alaskan Bushwheel Inc. in a letter dated July 22, 2009. Also, we determined that your company set up the fabrication inspection system at 3701 Hwy 162, Granite City, IL 62040, as required by 14 CFR § 21.303(h). Therefore, we grant Parts Manufacturing Approval (PMA), which authorizes you to produce the replacement parts in the enclosed PMA Supplement **No 11**.

We remind you that the provisions of 14 CFR, noted in our PMA letter of approval dated May 8, 2002, also applies to the enclosed PMA Listing-Supplement **No. 11**.

Please keep the enclosed supplement with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

//TN//
Tilak Nandipati
Senior Aviation Safety Inspector
Kansas City Manufacturing Inspection District Office

Enclosure

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

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

PMA No: PQ3830CE
Supplement No. 11
Date: July 30, 2009

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For Part NO.</u>	<u>Approval Basis and Approved Design Data</u>	<u>MAKE Eligibility:</u>	<u>MODEL Eligibility:</u>
Brake Disc	APS164-06700-AB	Used on Alaskan Bushwheel Inc., Wheel Assy, 10" Dia., P/N ABI-10650	STC SA01015SE Dwg No: ABI-10650-00 Rev: C Date: 8/27/2008 or later FAA-approved revisions	American Champion Aircraft Corp. Cub Crafters, Inc. FS 2002 Corp. FS 2003 Corp. STOL Aviation LLC (Interstate)	8GCBC CC18-180 PA-14 PA-12 S-1B2
				Maule Aerospace Technology, Inc.	Bee Dec M-4, M-4, M-4C, M-4S, M-4T, M-4-180C, M-4-180V, M-4-210, M-4-210C, M-4-220C, 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, M-7-235A, M-7-235B, M-7-235C, M-7-260, M-7-260C, M-7-420A, M-7-420AC, MX-7-160, MX-7-160C, MX-7-180, MX-7-180A, MX-7-180B, MX-7-180C, MX-7-180AC, MX-7-235, MX-7-420, M-8-235
				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", PA-19 (Army L-18C), PA-19S
				Sky International Inc.	A-1, A-1A, A-1B
Brake Disc	APS164-06700-AB	Used on Alaskan Bushwheel Inc., Wheel Assy, 10" Dia., P/N ABI-1010	STC SA01765SE <u>Dwg No:</u> ABI-1010-00 <u>Rev:</u> C <u>Date:</u> 8/27/2008 or later FAA-approved revisions	American Champion Aircraft Corp. Rogers, Burl A. Cessna Aircraft Company	7AC, 7ACA, S7AC, 7BCM (Army L-16A), 7CCM (Army L-16B), S7CCM, 7DC, S7DC, 7EC, S7EC, 7ECA, 7FC, 7GC, 7GCA, 7GCAA, 7GCB, 7GCBA, 7GCBC, 7HC, 7JC, 7KC, 7KCAB, 8GCBC, 11AC, S11AC, 11BC, S11BC. 15AC 120, 140, 140A, 150, 150A, 150B, 150C, 150D, 150E, 150F, 150G, 150H, 150J, 150K, 150L, 150M, A150K, A150L, A150M, 152, 170, 170A, 170B, 172, 172A, 172B, 172C, 172D, 172E, 172F (USAF T-41A), 172G, 172H (USAF T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S, 175, 175A, 175B, 175C, 180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K, 182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182J, 182K, 182M, 182N, 182P, 182Q, 182R, 182S, 182T, 185, 185A, 185B, 185C, 185D, 185E, A185E, A185F, 206, U206, P206A, TP206A, TU206A, U206A, P206B, TP206B, TU206B, U206B, P206C, TP206C, TU206C, U206C, P206D, TP206D, TU206D, U206D, P206E, TP206E, U206E, TU206F, U206F, TU206G, U206G, 206H, T206H, 207 CC18-180
				Cub Crafters, Inc. Found Aircraft Canada, Inc.	

					FBA-2C, FBA-2C1
				FS 2001 Corp.	<i>AE-1, HE-1,</i>
				FS 2002 Corp.	<i>J5A (Army L-4F), J5A-80,</i> <i>J5B (Army L-4G), J5C,</i>
				FS 2003 Corp.	PA-14
				Helio Aircraft LLC	PA-12 H-250, H-295 (USAF U-10D), H-391 (USAF YL-24), H-395 (USAF L-28A or U-10B), H-395A
				STOL Aviation LLC (Interstate)	S-1B2
				Maule Aerospace Technology, Inc.	Bee Dee M-4, M-4, M- 4C, M-4S, M-4T, M-4-180C, M-4-210, M-4-210C, M-4-220C, 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, M-7-235A, M-7-235B, M-7-235C, M-7-260, M-7-260C, M-7-420A, M-7-420AC, MX-7-160, MX-7-160C, MX-7-180, MX-7-180A, MX-7- 180B, MX-7-180C, MX- 7-180AC, MX-7-235, MX-7-420, M-8-235.
				Piper Aircraft, Inc.	J3C-40, J3C-50, J3C-50S, J3C-65 (Army L-4, L-4A, L-4B (Navy NE-1), L-4H, L-4J (Navy NE-2), J3C-65S, J3F-50, J3F-50S, J3F-60, J3F-60S, J3F-65 (Army L-4D), J3F-65S, J3L, J3L-65 (Army L-4C), J3L-65S, J3L-S, J4, J4A, J4E (Army L-4E), PA-11, PA-15, PA-16, PA-17, 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", PA-19 (Army L-18C), PA-19S, PA-20, PA-22
				Sky International (Husky) Univair Aircraft Corporation Taylorcraft Aviation, LLC	A-1, A-1A, A-1B 108, 108-1, 108-2, 108-3, 108-5 BCS, BCS-65, BCS12-65, BCS12-D, BCS12-D1, BCS12D-85, BCS12D-4- 85, BFS, BFS-60, BFS- 65, BFS12-65, BLS, BLS12-65, BLS-65, 19, F19, F21, F21A

-----End of Listing-----

Note: The procedures that are accepted to the type certificate or TSOA holder and their cognizant FAA Aircraft Certification Office for minor changes to original parts used on type-certificated products, are also acceptable for incorporating the same minor changes on identical FAA-PMA replacement parts. The FAA-PMA holder must show traceability to the TC, STC, or TSOA 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, submit all subsequent minor design changes to the PMA parts in a manner determined by the ACO. TC, STC, or TSOA holder controls all major design changes or drawings and specifications.

//TN//

July 30, 2009

for Michael M. Alberts,
Manager, Kansas City
Manufacturing Inspection District Office

Date:

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

Small Airplane Directorate
Kansas City Manufacturing Inspection
District Office
901 Locust Street, Room 403B
Kansas City, MO 64106-2641
Tel: 816-329-4190 Fax: 816-329-4195

September 20, 2011

Project No. PQ3830CE

Roy Scott
Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the FAA has found that the design data, based on Test and Computations with your letter dated September 16, 2011, meets the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Aviation Products Systems, Inc., has established the quality system required by § 21.307 at 3701 Hwy 162, Granite City, IL 62040. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement **No. 14**.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated May 8, 2002, also apply to the enclosed PMA Listing-Supplement **No. 14**. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the Articles concerned.

Sincerely,

//TN//
Tilak Nandipati
Senior Aviation Safety Inspector
Kansas City Manufacturing Inspection District Office

Enclosure: PMA Supplement No. 14



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. 14
September 20, 2011

<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>
Brake Disc	APS164-23001	Parker Hannifin P/N 164-23001	Test and Computations Per 14 CFR Part 21.303, Dwg No. APS164-23001 Rev IR dated 3/30/09 or later FAA approved revisions	Air Tractor	AT-802, AT-802A
Brake Disc	APS164-23002	Parker Hannifin P/N 164-23002	Test and Computations Per 14 CFR Part 21.303, Dwg No. APS164-23002 Rev IR dated 3/30/09 or later FAA approved revisions	Air Tractor	AT-802, AT-802A
Lining - Brake	APS66-13100	Parker Hannifin P/N 66-13100	Test and Computations Per 14 CFR Part 21.303, Dwg No. APS66-13100 Rev IR dated 1/15/09 or later FAA approved revisions	Air Tractor	AT-802, AT-802A
Rivet	APS105-06700	Parker Hannifin P/N 105-06700	Test and Computations Per 14 CFR Part 21.303, Dwg No. APS105-06700 Rev A dated 06/02/11 or later FAA approved revisions	Air Tractor	AT-802, AT-802A

-----End of Listing-----

Note:

- 1) Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.
- 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 14 CFR § 21.50.

\\TN\\

September 20, 2011

for _____
Michael M. Alberts,
Manager, Kansas City,
Manufacturing Inspection District Office

Date:

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

Small Airplane Directorate
Kansas City Manufacturing Inspection
District Office
901 Locust Street, Room 403B
Kansas City, MO 64106-2641
Tel: 816-329-4190 Fax: 816-329-4195

September 12, 2012

Project No. PQ3830CE

Roy Scott
Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the FAA has found that the design data, based on Identity with your letter dated August 12, 2012, meets the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Aviation Products Systems, Inc., has established the quality system required by § 21.307 at 3701 Hwy 162, Granite City, IL 62040. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement **No. 20.**

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated May 8, 2002, also apply to the enclosed PMA Listing-Supplement **No. 20.** The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the Articles concerned.

Sincerely,

Edward J. Mehrhoff
Aviation Safety Inspector
Kansas City Manufacturing Inspection District Office

Enclosure: PMA Supplement No. 20



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. 20
September 12, 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>
Brake Disc	APS164-01700	Parker Hannifin (Cleveland) P/N: 164-01700 Grove P/N: 018-001	Identity per 14 CFR § 21.303 DWG No: APS164-01700 Rev – (N/C) Date: 5/1/1995 or later FAA-approved revisions	Sky International Inc.	A-1, A-1A, A-1B, A-1C-180, A-1C- 200 as modified by STC SA00637CH
				Cessna Aircraft Company	172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, 172H, 172I, 172K, 172L, 172M, 172N, 172P, 175, as modified by STC SA00674CH
				Cessna Aircraft Company	170A, 170B as modified by STC SA00804CH
				Piper Aircraft, Inc.	PA-12, PA-12S modified by STC SA00901CH
				Piper Aircraft, Inc.	PA-18A-135, PA- 18AS-135, PA- 18S-135, PA-18S- 150, PA-18-150, PA-18AS-150, PA- 18A-150, PA-18- 135(Army L-21B) as modified by STC SA00713CH
				American Champion Aircraft Corp	8GCBC as modified by STC SA00763CH
Brake Lining	APS66-10600	Parker Hannifin (Cleveland) P/N: 066-10600	Identity per 14 CFR § 21.303 DWG No: APS66-10600 Rev – (N/C) Date: 10/23/1996 or later FAA-approved revisions	Sky International Inc.	A-1, A-1A, A-1B, A-1C-180, A-1C- 200 as modified by STC SA00637CH
				Cessna Aircraft Company	172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, 172H, 172I, 172K, 172L,

					172M, 172N, 172P, 175, as modified by STC SA00674CH
				Cessna Aircraft Company	170A, 170B as modified by STC SA00804CH
Brake Lining	APS66-10600	Parker Hannifin (Cleveland) P/N: 066-10600	Identity per 14 CFR § 21.303 DWG No: APS66-10600 Rev – (N/C) Date: 10/23/1996 or later FAA-approved revisions	Piper Aircraft, Inc.	PA-12, PA-12S modified by STC SA00901CH
				Piper Aircraft, Inc.	PA-18A-135, PA-18AS-135, PA-18S-135, PA-18S-150, PA-18-150, PA-18AS-150, PA-18A-150, PA-18-135(Army L-21B) as modified by STC SA00713CH
				American Champion Aircraft Corp	8GCBC as modified by STC SA00763CH
Rivet	APS105-00200	Grove P/N: 105-2	Identity per 14 CFR § 21.303 DWG No: APS105-00200 Rev – (N/C) Date: 3/13/1995 or later FAA-approved revisions	Sky International Inc.	A-1, A-1A, A-1B, A-1C-180, A-1C-200 as modified by STC SA00637CH
				Cessna Aircraft Company	172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, 172H, 172I, 172K, 172L, 172M, 172N, 172P, 175, as modified by STC SA00674CH
				Cessna Aircraft Company	170A, 170B as modified by STC SA00804CH
				Piper Aircraft, Inc.	PA-12, PA-12S modified by STC SA00901CH
					PA-18A-135, PA-18AS-135, PA-18S-135, PA-18S-150, PA-18-150, PA-18AS-150, PA-18A-150, PA-18-135(Army L-21B) as modified by STC SA00713CH
				American Champion Aircraft Corp	8GCBC as modified by STC SA00763CH

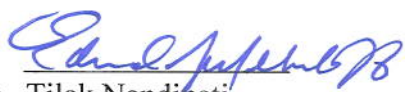
Lining	APS66-11100	Grove P/N: 66-111	Identicality per 14 CFR § 21.303 DWG No: APS66-11100 Rev – (N/C) Date: 10/23/1996 or later FAA-approved revisions	Sky International Inc.	A-1, A-1A, A-1B, A-1C-180, A-1C- 200 as modified by STC SA00637CH
				Cessna Aircraft Company	172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, 172H,
				Cessna Aircraft Company	172I, 172K, 172L, 172M, 172N, 172P, 175, as modified by STC SA00674CH
				Cessna Aircraft Company	170A, 170B as modified by STC SA00804CH
				Piper Aircraft, Inc.	PA-12, PA-12S modified by STC SA00901CH
				Piper Aircraft, Inc.	PA-18A-135, PA- 18AS-135, PA- 18S-135, PA-18S- 150, PA-18-150, PA-18AS-150, PA- 18A-150, PA-18- 135(Army L-21B) as modified by STC SA00713CH
				American Champion Aircraft Corp	8GCBC as modified by STC SA00763CH

-----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.

September 12, 2012

Date: _____

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



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

Small Airplane Directorate
Kansas City Manufacturing Inspection
District Office
901 Locust Street, Room 403B
Kansas City, MO 64106-2641
Tel: 816-329-4190 Fax: 816-329-4195

February 15, 2013

Project No. PQ3830CE

Roy Scott
Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the FAA has found that the design data, based on Test and Computations and also Identically with your letter dated December 7, 2012, meets the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Aviation Products Systems, Inc., has established the quality system required by § 21.307 at 3701 Hwy 162, Granite City, IL 62040. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement **No. 22.**

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated May 8, 2002, also apply to the enclosed PMA Listing-Supplement **No. 22.** The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the Articles concerned.

Sincerely,

Edward J. Mehrhoff
Aviation Safety Inspector
Kansas City Manufacturing Inspection District Office

Enclosure: PMA Supplement No. 22



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. 22
February 15, 2013

Article Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Brake Disc	APS164-01700	Parker Hannifin (Cleveland) P/N 164-01700	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-01700 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA00900CH: 172D, 172E, 172F (USAF T-41A), 172G, 172H (USAF T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S, 175A, 175B, 175C, P172D, R172K, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P
Brake Disc	APS164-01700	Parker Hannifin (Cleveland) P/N 164-01700	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-01700 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Maule Aerospace Technology, Inc.	As modified per STC SA01411CH: MX-7-180B, MX-7-180C, MX-7-235, MX- 7-420
Brake Disc	APS164-01700	Parker Hannifin (Cleveland) P/N 164-01700	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-01700 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA169CE: 185, 185A, 185B, 185C, 185D, 185E, A185E
Brake Disc	APS164-01700	Parker Hannifin (Cleveland) P/N 164-01700	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-01700 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA805CE: A185E

Brake Disc	APS164-01700	Parker Hannifin (Cleveland) P/N 164-01700	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-01700 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA7GL: 185A, A185F
Brake Disc	APS164-01700	Parker Hannifin (Cleveland) P/N 164-01700	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-01700 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA18GL: TU206F, TU206G, U206F, U206G
Brake Disc	APS164-01700	Parker Hannifin (Cleveland) P/N 164-01700	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-01700 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA666CE: 206, P206, P206A, TP206A, TU206A, TU206B, TU206C, TU206D, TU206E, U206, U206A, U206B, U206C, U206D, U206E
Brake Disc	APS164-01700	Parker Hannifin (Cleveland) P/N 164-01700	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-01700 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA1569GL: A185E, A185F
Brake Disc	APS164-01700	Parker Hannifin (Cleveland) P/N 164-01700	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-01700 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA332CE: 206, P206 , P206A, TP206A, TU206A, TU206B, TU206C, TU206D, TU206E, U206, U206A, U206B, U206C, U206D, U206E
Brake Disc	APS164-01700	Parker Hannifin (Cleveland) P/N 164-01700	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-01700 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA1483GL: 206, P206, P206A, P206B, P206C, P206D, P206E, TP206A, TP206B, TP206C, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G
Brake Disc	APS164-08500	Grove P/N 018-002	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-08500 <u>Rev:</u> D <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA00900CH: 172D, 172E, 172F (USAF T-41A), 172G, 172H (USAF T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S, 175A, 175B, 175C, P172D, R172K, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P

Brake Disc	APS164-08500	Grove P/N 018-002	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-08500 <u>Rev:</u> D <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Maule Aerospace Technology, Inc.	As modified per STC SA01411CH: MX-7-180B, MX-7-180C, MX-7-235, MX-7-420
Brake Disc	APS164-24500	Parker Hannifin (Cleveland) P/N 164-24500	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-24500 <u>Rev:</u> A <u>Date:</u> 5/15/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA01156CH: 182P, 182Q, 182R, 182S, 182T, F182P, F182Q
Brake Disc	APS164-24500	Parker Hannifin (Cleveland) P/N 164-24500	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-24500 <u>Rev:</u> A <u>Date:</u> 5/15/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA01320CH: 185, 185A, 185B, 185C, 185D, 185E, A185E, A185F, 180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K
Brake Disc	APS164-24500	Parker Hannifin (Cleveland) P/N 164-24500	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-24500 <u>Rev:</u> A <u>Date:</u> 5/15/2012 or later FAA-approved revisions	Maule Aerospace Technology, Inc.	As modified per STC SA01412CH: M-6-235, M-7-235, M-7-235B, M-7-235C, M-7-260, M-7-420A, M-7-420AC, MT-7-235, MT-7-260, MX-7-235
Brake Disc	APS164-24500	Parker Hannifin (Cleveland) P/N 164-24500	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-24500 <u>Rev:</u> A <u>Date:</u> 5/15/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA01185CH: 206, 206H, P206, P206A, P206B, P206C, P206D, P206E, T206H, TP206A, TP206B, TP206C, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G
Brake Disc	APS164-24500	Parker Hannifin (Cleveland) P/N 164-24500	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-24500 <u>Rev:</u> A <u>Date:</u> 5/15/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA01272CH: A185E, A185F
Brake Disc	APS164-24500	Parker Hannifin (Cleveland) P/N 164-24500	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-24500 <u>Rev:</u> A <u>Date:</u> 5/15/2012 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA309CH: DHC-2 (L-20A) MK.III
Brake Disc	APS164-24500	Parker Hannifin (Cleveland) P/N 164-24500	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-24500 <u>Rev:</u> A <u>Date:</u> 5/15/2012 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA610GL: DHC-2, MK.I

Brake Disc	APS164-24500	Parker Hannifin (Cleveland) P/N 164-24500	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-24500 <u>Rev:</u> A <u>Date:</u> 5/15/2012 or later FAA-approved revisions	Pilatus Aircraft Limited	As modified per STC SA227CH: PC-6/B2-H4
Brake Disc	APS164-24500	Parker Hannifin (Cleveland) P/N 164-24500	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-24500 <u>Rev:</u> A <u>Date:</u> 5/15/2012 or later FAA-approved revisions	Quest Aircraft Design, LLC	As modified per STC SA02848CH: Kodiak 100
Brake Disc	APS164-24500	Parker Hannifin (Cleveland) P/N 164-24500	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-24500 <u>Rev:</u> A <u>Date:</u> 5/15/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA1311GL: 208
Brake Disc	APS164-24500	Parker Hannifin (Cleveland) P/N 164-24500	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-24500 <u>Rev:</u> A <u>Date:</u> 5/15/2012 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA331CH: DHC-3
Brake Disc	APS164-30615-3	McCauley/Parker Hannifin (Cleveland) P/N 164-30615-3	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-30615-3 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA309CH: DHC-2 MK.III
Brake Disc	APS164-30615-3	McCauley/Parker Hannifin (Cleveland) P/N 164-30615-3	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-30615-3 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA610GL: DHC-2 MK.I
Brake Disc	APS164-30615-3	McCauley/Parker Hannifin (Cleveland) P/N 164-30615-3	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-30615-3 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Pilatus Aircraft Limited	As modified per STC SA227CH: PC-6/B2-H4
Brake Disc	APS164-30615-3	McCauley/Parker Hannifin (Cleveland) P/N 164-30615-3	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-30615-3 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA1311GL: 208
Brake Disc	APS164-30615-3	McCauley/Parker Hannifin (Cleveland) P/N 164-30615-3	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-30615-3 <u>Rev:</u> K <u>Date:</u> 12/5/2012 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA331CH: DHC-3

Brake Disc	APS164-03006	Parker Hannifin (Cleveland) P/N 164-03006	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-03006 <u>Rev:</u> C <u>Date:</u> 2/23/2012 or later FAA-approved revisions	Air Tractor Inc.	As modified per STC SA01795CH: AT-802, AT- 802A
Brake Disc	APS164-03006	Parker Hannifin (Cleveland) P/N 164-03006	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS164-03006 <u>Rev:</u> C <u>Date:</u> 2/23/2012 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA2CH: DHC-6-100, DHC- 6-200, DHC-6-300
Brake Lining	APS66-10500	Parker Hannifin (Cleveland) P/N 066-10500	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10500 <u>Rev:</u> E <u>Date:</u> 4/20/2010 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA01156CH: 182P, 182Q, 182R, 182S, 182T, F182P, F182Q
Brake Lining	APS66-10500	Parker Hannifin (Cleveland) P/N 066-10500	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10500 <u>Rev:</u> E <u>Date:</u> 4/20/2010 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA01320CH: 180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K, A185E, A185F, 185, 185A, 185B, 185C, 185D, 185E
Brake Lining	APS66-10500	Parker Hannifin (Cleveland) P/N 066-10500	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10500 <u>Rev:</u> E <u>Date:</u> 4/20/2010 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA01272CH: A185E, A185F
Brake Lining	APS66-10500	Parker Hannifin (Cleveland) P/N 066-10500	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10500 <u>Rev:</u> E <u>Date:</u> 4/20/2010 or later FAA-approved revisions	Maule Aerospace Technology, Inc.	As modified per STC SA01412CH: M-6-235, M-7- 235, M-7-235B, M-7-235C, M-7-260, M-7-260C, M-7- 420A, M-7-420AC, MT-7- 235, MT-7-260, MX-7-235
Brake Lining	APS66-10500	Parker Hannifin (Cleveland) P/N 066-10500	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10500 <u>Rev:</u> E <u>Date:</u> 4/20/2010 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA01185CH: 206, 206H, P206, P206A, P206B, P206C, P206D, P206E, T206H, TP206A, TP206B, TP206C, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G
Brake Lining	APS66-10500	Parker Hannifin (Cleveland) P/N 066-10500	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10500 <u>Rev:</u> E <u>Date:</u> 4/20/2010 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA309CH: DHC-2 MK.III

Brake Lining	APS66-10500	Parker Hannifin (Cleveland) P/N 066-10500	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10500 <u>Rev:</u> E <u>Date:</u> 4/20/2010 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA610GL: DHC-2 MK.I
Brake Lining	APS66-10500	Parker Hannifin (Cleveland) P/N 066-10500	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10500 <u>Rev:</u> E <u>Date:</u> 4/20/2010 or later FAA-approved revisions	Pilatus Aircraft Limited	As modified per STC SA227CH: PC-6/B2-H4
Brake Lining	APS66-10500	Parker Hannifin (Cleveland) P/N 066-10500	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10500 <u>Rev:</u> E <u>Date:</u> 4/20/2010 or later FAA-approved revisions	Quest Aircraft Design, LLC	As modified per STC SA02848CH: Kodiak 100
Brake Lining	APS66-10500	Parker Hannifin (Cleveland) P/N 066-10500	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10500 <u>Rev:</u> E <u>Date:</u> 4/20/2010 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA1311GL: 208
Brake Lining	APS66-10500	Parker Hannifin (Cleveland) P/N 066-10500	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10500 <u>Rev:</u> E <u>Date:</u> 4/20/2010 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA331CH: DHC-3
Brake Lining	APS66-10600	Parker Hannifin (Cleveland) P/N 066-10600	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10600 <u>Rev:</u> D <u>Date:</u> 10/9/2009 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA00900CH: 172D, 172E, 172F (USAF T-41A), 172G, 172H (USAF T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S, 175A, 175B, 175C, P172D, R172K, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P
Brake Lining	APS66-10600	Parker Hannifin (Cleveland) P/N 066-10600	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10600 <u>Rev:</u> D <u>Date:</u> 10/9/2009 or later FAA-approved revisions	Maule Aerospace Technology, Inc.	As modified per STC SA01411CH: MX-7-180B, MX-7-180C, MX-7-235, MX- 7-420
Brake Lining	APS66-10600	Parker Hannifin (Cleveland) P/N 066-10600	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10600 <u>Rev:</u> D <u>Date:</u> 10/9/2009 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA169CE: 185, 185A, 185B, 185C, 185D, 185E, A185E

Brake Lining	APS66-10600	Parker Hannifin (Cleveland) P/N 066-10600	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10600 <u>Rev:</u> D <u>Date:</u> 10/9/2009 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA805CE: A185E
Brake Lining	APS66-10600	Parker Hannifin (Cleveland) P/N 066-10600	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10600 <u>Rev:</u> D <u>Date:</u> 10/9/2009 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA7GL: 185A, A185F
Brake Lining	APS66-10600	Parker Hannifin (Cleveland) P/N 066-10600	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10600 <u>Rev:</u> D <u>Date:</u> 10/9/2009 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA1569GL: A185E, A185F
Brake Lining	APS66-10600	Parker Hannifin (Cleveland) P/N 066-10600	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10600 <u>Rev:</u> D <u>Date:</u> 10/9/2009 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA18GL: TU206F, TU206G, U206F, U206G
Brake Lining	APS66-10600	Parker Hannifin (Cleveland) P/N 066-10600	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10600 <u>Rev:</u> D <u>Date:</u> 10/9/2009 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA666CE: 206, P206, P206A, TP206A, TU206A, TU206B, TU206C, TU206D, TU206E, U206, U206A, U206B, U206C, U206D, U206E
Brake Lining	APS66-10600	Parker Hannifin (Cleveland) P/N 066-10600	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10600 <u>Rev:</u> D <u>Date:</u> 10/9/2009 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA332CE: 206, P206 , P206A, TP206A, TU206A, TU206B, TU206C, TU206D, TU206E, U206, U206A, U206B, U206C, U206D, U206E
Brake Lining	APS66-10600	Parker Hannifin (Cleveland) P/N 066-10600	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10600 <u>Rev:</u> D <u>Date:</u> 10/9/2009 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA1483GL: 206, P206, P206A, P206B, P206C, P206D, P206E, TP206A, TP206B, TP206C, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G
Brake Lining	APS66-10800	Parker Hannifin (Cleveland) P/N 066-10800	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10800 <u>Rev:</u> D <u>Date:</u> 10/9/2009 or later FAA-approved revisions	Air Tractor Inc.	As modified per STC SA01795CH: AT-802, AT- 802A

Brake Lining	APS66-10800	Parker Hannifin (Cleveland) P/N 066-10800	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10800 <u>Rev:</u> D <u>Date:</u> 10/9/2009 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA2CH: DHC-6-100, DHC- 6-200, DHC-6-300
Brake Lining	APS66-11100	Grove P/N 66-111	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-11100 <u>Rev:</u> E <u>Date:</u> 8/21/2012 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA00900CH: 172D, 172E, 172F (USAF T-41A), 172G, 172H (USAF T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S, 175A, 175B, 175C, P172D, R172K, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P
Brake Lining	APS66-11100	Grove P/N 66-111	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-11100 <u>Rev:</u> E <u>Date:</u> 8/21/2012 or later FAA-approved revisions	Maule Aerospace Technology, Inc.	As modified per STC SA01411CH: MX-7-180B, MX-7-180C, MX-7-235, MX- 7-420
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-2	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA00900CH: 172D, 172E, 172F (USAF T-41A), 172G, 172H (USAF T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S, 175A, 175B, 175C, P172D, R172K, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-2	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Maule Aerospace Technology, Inc.	As modified per STC SA01411CH: MX-7-180B, MX-7-180C, MX-7-235, MX- 7-420
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-2	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA1483GL: 206, P206, P206A, P206B, P206C, P206D, P206E, TP206A, TP206B, TP206C, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G

Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-2	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA1569GL: A185E, A185F
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA01156CH: 182P, 182Q, 182R, 182S, 182T, F182P, F182Q
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA01320CH: 180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K, A185E, A185F, 185, 185A, 185B, 185C, 185D, 185E
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Maule Aerospace Technology, Inc.	As modified per STC SA01412CH: M-6-235, M-7- 235, M-7-235B, M-7-235C, M-7-260, M-7-260C, M-7- 420A, M-7-420AC, MT-7- 235, MT-7-260, MX-7-235
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA01185CH: 206, 206H, P206, P206A, P206B, P206C, P206D, P206E, T206H, TP206A, TP206B, TP206C, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA01272CH: A185E, A185F
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA169CE: 185, 185A, 185B, 185C, 185D, 185E, A185E
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA805CE: A185E


Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA18GL: TU206F, TU206G, U206F, U206G
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA666CE: 206, P206, P206A, TP206A, TU206A, TU206B, TU206C, TU206D, TU206E, U206, U206A, U206B, U206C, U206D, U206E
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA7GL: 185A, A185F
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA332CE: 206, P206 , P206A, TP206A, TU206A, TU206B, TU206C, TU206D, TU206E, U206, U206A, U206B, U206C, U206D, U206E
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA309CH: DHC-2 MK.III
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA610GL: DHC-2 MK I
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Pilatus Aircraft Limited	As modified per STC SA227CH: PC-6/B2-H4
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Quest Aircraft Design, LLC	As modified per STC SA02848CH: Kodiak 100
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA1311GL: 208

Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA331CH: DHC-3
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Air Tractor Inc.	As modified per STC SA01795CH: AT-802, AT- 802A
Rivet	APS105-00200	McCauley/Parker Hannifin P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Viking Air Limited	As modified per STC SA2CH: DHC-6-100, DHC- 6-200, DHC-6-300
Rivet	APS105-00200	Grove P/N 105-2	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Cessna Aircraft Company	As modified per STC SA00900CH: 172D, 172E, 172F (USAF T-41A), 172G, 172H (USAF T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S, 175A, 175B, 175C, P172D, R172K, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P
Rivet	APS105-00200	Grove P/N 105-2	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> C <u>Date:</u> 4/16/2007 or later FAA-approved revisions	Maule Aerospace Technology, Inc.	As modified per STC SA01411CH: MX-7-180B, MX-7-180C, MX-7-235, MX- 7-420

-----End of Listing-----

NOTE:

- 1) Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.
- 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 supplementary ICA for differences in the replacement parts. Make referral statements or supplementary ICA readily available per 14 CFR § 21.50.


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

February 15, 2013

Date:



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

Small Airplane Directorate
Kansas City Manufacturing Inspection
District Office
901 Locust Street, Room 403B
Kansas City, MO 64106-2641
Tel: 816-329-4190 Fax: 816-329-4195

January 6, 2014

Project No. PQ3830CE

Roy Scott
Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, based on Test and Computation based on your letter dated February 19, 2013, meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that Aviation Products Systems, Inc., has established the quality system required by § 21.307 at 3701 Hwy 162, Granite City, IL 62040. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement **No. 28.**

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated May 8, 2002, also apply to the enclosed PMA Listing-Supplement **No. 28.** The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the Articles concerned.

Sincerely,

Edward J. Mehrhoff
Aviation Safety Inspector
Kansas City Manufacturing Inspection District Office

Enclosure: PMA Supplement No. 28



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

January 6, 2014

Date:



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. 28
January 6, 2014

<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>
Brake Disc	APS164-02504	Parker Hannifin (Cleveland) P/N 164-02504	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-02504 <u>Rev -J</u> <u>Date:</u> 10-25-2001 or later FAA-approved revisions	Beechcraft Corporation	G36
Brake Disc	APS164-02505	Parker Hannifin (Cleveland) P/N 164-02505	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS164-02505 <u>Rev -J</u> <u>Date:</u> 10-25-2001 or later FAA-approved revisions	Beechcraft Corporation	G36
Brake Lining	APS66-10500	Parker Hannifin (Cleveland) P/N 066-10500	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10500 <u>Rev -E</u> <u>Date:</u> 4-20-2010 or later FAA-approved revisions	Beechcraft Corporation	G36
Rivet	APS105-00200	Parker Hannifin (Cleveland) P/N 105-00200	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev -C</u> <u>Date:</u> 4-16-2007 or later FAA-approved revisions	Beechcraft Corporation	G36

-----End of Listing-----

NOTE:

- 1) Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.
- 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 supplementary ICA for differences in the replacement parts. Make referral statements or supplementary ICA readily available per 14 CFR § 21.50.



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

Small Airplane Directorate
Kansas City Manufacturing Inspection
District Office
901 Locust Street, Room 403B
Kansas City, MO 64106-2641
Tel: 816-329-4190 Fax: 816-329-4195

January 6, 2014

Project No. PQ3830CE

Roy Scott
Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, based on Test and Computation based on your letter dated November 15, 2013, meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that Aviation Products Systems, Inc., has established the quality system required by § 21.307 at 3701 Hwy 162, Granite City, IL 62040. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement **No. 29.**

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated May 8, 2002, also apply to the enclosed PMA Listing-Supplement **No. 29.** The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the Articles concerned.

Sincerely,

Edward J. Mehrhoff
Aviation Safety Inspector
Kansas City Manufacturing Inspection District Office

Enclosure: PMA Supplement No. 29



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. 29
January 6, 2014

<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>
Brake Lining	APS66-10900	McCauley/Parker Hannifin (Cleveland) 066-30026	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10900 <u>Rev:</u> D <u>Date:</u> 10/01/2009 or later FAA-approved revisions	Cessna Aircraft Company	208 w/ STC SA1311GL installed
Brake Lining	APS66-10900	McCauley/Parker Hannifin (Cleveland) 066-30026	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10900 <u>Rev:</u> D <u>Date:</u> 10/01/2009 or later FAA-approved revisions	Pilatus Aircraft Ltd.	PC-6/B2-H4 w/ STC SA227CH installed
Brake Lining	APS66-10900	McCauley/Parker Hannifin (Cleveland) 066-30026	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS66-10900 <u>Rev:</u> D <u>Date:</u> 10/01/2009 or later FAA-approved revisions	Viking Air Limited	DHC-2 MK.III w/ STC SA309CH installed, DHC-2 MK I w/ STC SA610GL installed, DHC-3 w/ STC SA331CH installed


-----End of Listing-----

NOTE:

- 1) Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.
- 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 supplementary ICA for differences in the replacement parts. Make referral statements or supplementary ICA readily available per 14 CFR § 21.50.

January 6, 2014

Date:


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



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

Small Airplane Directorate
Kansas City Manufacturing Inspection
District Office
901 Locust Street, Room 403B
Kansas City, MO 64106-2641
Tel: 816-329-4190 Fax: 816-329-4195

March 14, 2014

Project No. PQ3830CE

Roy Scott
Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, based on Identity with your letter dated March 4, 2014, meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that Aviation Products Systems, Inc., has established the quality system required by § 21.307 at 3701 Hwy 162, Granite City, IL 62040. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement **No. 30.**

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated May 8, 2002, also apply to the enclosed PMA Listing-Supplement **No. 30.** The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the Articles concerned.

Sincerely,

Edward J. Mehrhoff
Aviation Safety Inspector
Kansas City Manufacturing Inspection District Office

Enclosure: PMA Supplement No. 30



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. 30
March 14, 2014

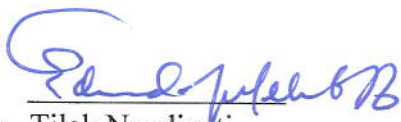
<u>Article Name</u>	<u>Part Number</u>	<u>Approved Replacement For Part Number</u>	<u>Approval Basis and Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Pin	APS177-00300	Parker Hannifin (Cleveland) P/N 177-00300	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS177-00300 <u>Rev:</u> B <u>Date:</u> 03/16/2012 or later FAA-approved revisions	Cessna	208, 208B
Pin	APS177-00300	Parker Hannifin (Cleveland) P/N 177-00300	Identity per 14 CFR § 21.303 <u>DWG No:</u> APS177-00300 <u>Rev:</u> B <u>Date:</u> 03/16/2012 or later FAA-approved revisions	Cirrus Design Corporation	SR22 (S/Ns 1740 and up)
-----End of Listing-----					

NOTE:

- 1) Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.
- 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 supplementary ICA for differences in the replacement parts. Make referral statements or supplementary ICA readily available per 14 CFR § 21.50.

March 14, 2014

Date: _____


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



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

Small Airplane Directorate
Kansas City Manufacturing Inspection District Office
901 Locust Street, Room 403B
Kansas City, MO 64106-2641
Tel: 816-329-4190
Fax: 816-329-4195

May 30, 2014

Project No. PQ3830CE

Roy Scott
Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, based on Test and Computation based on your letter dated May 1, 2014, meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that Aviation Products Systems, Inc., has established the quality system required by § 21.307 at 3701 Hwy 162, Granite City, IL 62040. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed **Supplement No. 31**.

You are reminded that the provisions of 14 CFR, parts 21 and 45, also apply to the enclosed PMA Listing-**Supplement No. 31**.

The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

Dave Jobe
Aviation Safety Inspector
Kansas City, MIDO

Enclosure



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. 31
May 30, 2014


<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>
Brake Disc	APS164-21600	Parker Hannifin (Cleveland) P/N 164-21600	Test and Computations per 14 CFR 21.303 DWG No: APS164-21600 <u>Rev: C</u> <u>Date: 06/18/2009 or later</u> FAA-approved revisions	Piper Aircraft, Inc.	PA-46-350P

----- End of Listing -----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

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 supplementary ICA for differences in the replacement parts. Make referral statements or supplementary ICA readily available per 14 CFR § 21.50.


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

5/30/2014
Date:



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

Small Airplane Directorate
Kansas City Manufacturing Inspection District Office
901 Locust Street, Room 403B
Kansas City, MO 64106-2641
Tel: 816-329-4190
Fax: 816-329-4195

May 22, 2015

Project No. PQ3830CE

Kyle Byrne
Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, based on Test and Computation based on your letter dated March 16, 2015, meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that Aviation Products Systems, Inc., has established the quality system required by § 21.307 at 3701 Hwy 162, Granite City, IL 62040. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed **Supplement No. 32.**

You are reminded that the provisions of 14 CFR, parts 21 and 45, also apply to the enclosed PMA Listing-**Supplement No. 32.**

The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

Greg Rosenberg
Aviation Safety Inspector
Kansas City, MIDO

Enclosure



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.: 32
Date: May 22, 2015


Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Lining, Brake	APS66-15300	Parker Cleveland 066-03300	Test and Computations per 14 CFR § 21.303 DWG No: APS66-15300 Rev: IR Date: 03/17/2015 or later FAA-approved revisions	Cessna	208, 208B
Lining, Brake	APS66-15300	Aviation Products Systems, Inc. APS66-03300	Test and Computations per 14 CFR § 21.303 DWG No: APS66-15300 Rev: IR Date: 03/17/2015 or later FAA-approved revisions	Cessna	208, 208B


-----END OF DATA-----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplementary ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.


for: Timothy P. Smyth
Manager, Chicago Aircraft
Certification Office


Timothy D. Rainey
Acting Manager, Kansas City Manufacturing
Inspection District Office



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

Small Airplane Directorate
Wichita Manufacturing Inspection
District Office
2204 S. Tyler Rd.
Wichita, Kansas 67209

September 25, 2015

Kyle Byrne
Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Dear Mr. Byrne:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the FAA has found that the design data, based on Test and Computations per 14 CFR § 21.303, with your letter dated May 21, 2015, meets the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Aviation Products Systems, Inc., has established the quality system required by § 21.307 at 3701 Hwy 162, Granite City, IL 62040. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 34.

You are reminded that the provisions of 14 CFR, part 21 and 45, noted in our PMA letter of approval dated May 8, 2002, also apply to the enclosed PMA Listing-Supplement No. 34. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

Neal R. Rice, Acting Manager
Kansas City, Manufacturing
Inspection District Office

Enclosure:
PMA Listing-Supplement No. 34

CC: AIR-112



U.S. Department of Transportation
Federal Aviation Administration

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

PMA No.: PQ3830CE
Supplement No.: 34
Date: September 25, 2015


Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Brake Disc	APS164-22201	Parker Hannifin (Cleveland) P/N 164-22201	Test and Computations per 14 CFR § 21.303 DWG No: APS164-22201 Rev: E Date: 03/17/2015 or later FAA-approved revisions	Quest Aircraft Design, LLC	Kodiak 100
Brake Lining	APS66-03300	Parker Hannifin (Cleveland) P/N 066-03300	Identicality per 14 CFR § 21.303 DWG No: APS66-03300 Rev: E Date: 12/31/2014 or later FAA-approved revisions	Quest Aircraft Design, LLC	Kodiak 100
Brake Lining	APS66-15300	Parker Hannifin (Cleveland) P/N 066-03300	Test and Computations per 14 CFR § 21.303 DWG No: APS66-15300 Rev: IR Date: 03/17/2015 or later FAA-approved revisions	Quest Aircraft Design, LLC	Kodiak 100
Pin	APS177-00300	Parker Hannifin (Cleveland) P/N 177-00300	Identicality per 14 CFR § 21.303 DWG No: APS177-00300 Rev: B Date: 03/16/2012 or later FAA-approved revisions	Quest Aircraft Design, LLC	Kodiak 100


GENERAL NOTES:

-----END OF DATA-----

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplementary ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.


Timothy P. Smyth
Manager, Chicago Aircraft
Certification Office


Neal R. Rice
Acting Manager, Kansas City
Manufacturing Inspection District Office



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

Small Airplane Directorate
Wichita Mfg. Inspection
District Office
2204 S. Tyler Road
Wichita, Kansas 67209

December 15, 2015

Mr. Kyle Byrne
Quality Manager
Aviation Products Systems, Inc.
3701 Highway 162
Granite City, IL 62040

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Dear Mr. Byrne:

In accordance with the provisions of Title 14 Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, based on Test and Computation per 14 CFR § 21.303, with your letter dated August 25, 2015, meets the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that Aviation Products Systems, Inc., has established the quality system required by §21.307 at 3701 Highway 162, Granite City, IL 62040. Accordingly, Parts Manufacture Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 35.

You are reminded that the provisions of 14 CFR, Parts 21 and 45 noted in our PMA letter of approval dated August 25, 1994, also apply to the enclosed PMA Listing-Supplement No. 35. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

Neal R. Rice, Manager
Wichita Manufacturing Inspection
District Office

Enclosure:
PMA Listing-Supplement No. 35
CC: AIR-112



U.S. Department of Transportation
Federal Aviation Administration

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Aviation Products Systems, Inc.
3701 Hwy 162
Granite City, IL 62040

PMA No.: PQ3830CE
Supplement No.: 35
Date: December 15, 2015


Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Brake Disc	APS164-08300	Parker Hannifin (Cleveland) 164-08300	Test and Computations per 14 CFR § 21.303 DWG No: APS164-08300 Rev: B Date: 03/17/2015 or later FAA-approved revisions	GA 8 Airvan (Pty) Ltd	GA8, GA8-TC320
Brake Lining	APS66-10500	Parker Hannifin (Cleveland) 066-10500	Identity per 14 CFR § 21.303 DWG No: APS66-10500 Rev: E Date: 04/20/2010 or later FAA-approved revisions	GA 8 Airvan (Pty) Ltd	GA8, GA8-TC320
Rivet	APS105-00200	Parker Hannifin (Cleveland) 105-00200	Identity per 14 CFR § 21.303 DWG No: APS105-00200 Rev: D Date: 07/21/2014 or later FAA-approved revisions	GA 8 Airvan (Pty) Ltd	GA8, GA8-TC320


-----END OF DATA-----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplementary ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.


for Timothy P. Smyth
Manager, Chicago Aircraft
Certification Office


Neal R. Rice
Manager, Wichita Manufacturing
Inspection District Office



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

Small Airplane Directorate
Wichita Mfg. Inspection
District Office
2204 S. Tyler Road
Wichita, Kansas 67209

April 1, 2016

Mr. Kyle Byrne
Quality Manager
Aviation Products Systems, Inc.
3701 Highway 162
Granite City, IL 62040


FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Dear Mr. Byrne:

In accordance with the provisions of Title 14 Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, based on Test and Computation per 14 CFR § 21.303, with your letter dated November 13, 2016, meets the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that Aviation Products Systems, Inc., has established the quality system required by §21.307 at 3701 Highway 162, Granite City, IL 62040. Accordingly, Parts Manufacture Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 36.

You are reminded that the provisions of 14 CFR, Parts 21 and 45 noted in our PMA letter of approval dated August 25, 1994, also apply to the enclosed PMA Listing-Supplement No. 36. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,


for Neal R. Rice, Manager
Wichita Manufacturing Inspection
District Office

Enclosure:
PMA Listing-Supplement No. 36
CC: AIR-112



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.: 36
Date: APRIL 1, 2016

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Brake Lining	APS66-09000	Parker Hannifin (Cleveland) P/N 066-09000	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS66-09000 <u>Rev:</u> D <u>Date:</u> 12/31/2014 or later FAA-approved revisions	M7 Aerospace LLC	SA26-T, SA26-AT (with STC SA1009GL installed)
"	"	"	"	Mitsubishi Heavy Industries, Ltd.	MU 2B, MU-2B-26A (with STC SA648GL or SA652GL installed)
"	"	"	"	Beechcraft Corporation	65-90, 65-A90, 65-A90-1 (JU-21A), 65-A90-4 (RU-21E, RU-21H), C90GT, C90GTi, H90 (T-44A) (with STC SA619GL installed); 65 (with STC SA673GL installed); JRB-6 (with STC SA788GL installed)
Brake Lining	APS66-09100	Parker Hannifin (Cleveland) P/N 066-09100	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS66-09100 <u>Rev:</u> IR <u>Date:</u> 09/12/2013 or later FAA-approved revisions	Beechcraft Corporation	F90, 99, 99A, A99A, B99, C99, 100, A100, B100, 200, 200C, 200CT, 200T, A200 (C-12A), A200 (C-12C), A200C (UC-12B), A200CT (RC-12D), A200CT (C-12F), A200CT (FWC-12D), A200CT (RC-12D), A200CT (RC-12G), A200CT (RC-12H), A200CT (RC-12K), A200CT (RC-12P), A200CT (RC-12Q), B200, B200C (C-12F), B200C (C-12R), B200C (UC-12F), B200C (UC-12M), B200CT, B200T, B200GT, B200CGT (with STC SA646GL, SA650GL, or SA890GL installed)

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA No.: PQ3830CE
Supplement No.: 36
Date: APRIL 1, 2016

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Brake Lining	APS66-09200	Parker Hannifin (Cleveland) P/N 066-09200	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS66-09200 <u>Rev:</u> IR <u>Date:</u> 09/13/2013 or later FAA-approved revisions	Beechcraft Corporation	F90, 99, 99A, A99A, B99, C99, 100, A100, B100, 200, 200C, 200CT, 200T, A200 (C-12A), A200 (C-12C), A200C (UC-12B), A200CT (RC-12D), A200CT (C-12F), A200CT (FWC-12D), A200CT (RC-12D), A200CT (RC-12G), A200CT (RC-12H), A200CT (RC-12K), A200CT (RC-12P), A200CT (RC-12Q), B200, B200C (C-12F), B200C (C-12R), B200C (UC-12F), B200C (UC-12M), B200CT, B200T, B200GT, B200CGT (with STC SA646GL, SA650GL, or SA890GL installed)
Brake Lining	APS66-10000	Parker Hannifin (Cleveland) P/N 066-10000	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS66-10000 <u>Rev:</u> B <u>Date:</u> 12/31/14 or later FAA-approved revisions	Beechcraft Corporation	D18C, D18S, E18S, E18S-9700, G18S, H18, C-45G, TC-45G, RC45J, C-45H, TC-45H, TC-45J, JRB-6, 3N, 3NM, 3TM (with STC SA1222GL installed)
"	"	"	"	Viking Air Limited	DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300 (with STC SA1065GL installed)
Pin	APS177-01600	Parker Hannifin (Cleveland) P/N 0177-01600	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS177-01600 <u>Rev:</u> B <u>Date:</u> 03/16/2012 or later FAA-approved revisions	Beechcraft Corporation	65 (with STC SA673GL installed); 65-90, 65-A90, 65-A90-1 (JU-21A), 65-A90-4 (RU-21E, RU-21H), B90, C90GT, C90GTi, E90, H90 (with STC SA619GL installed); JRB-6 (with STC SA788GL installed); E18S, E18S-9700, G18S, H18, C-45G, TC-45G, RC45J, C-45H, TC-45H, TC-45J, JRB-6, 3N, 3NM, 3TM (with STC SA1222GL installed)
"	"	"	"	M7 Aerospace LLC	SA26-T, SA26-AT (with STC SA1009GL installed)
"	"	"	"	Viking Air Limited	DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300 (with STC SA1065GL installed)

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA No.: PQ3830CE
Supplement No.: 36
Date: APRIL 1, 2016

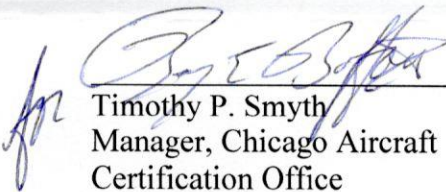
Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Rivet	APS105-00200	Parker Hannifin (Cleveland) P/N 0105-00200	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS105-00200 <u>Rev:</u> D <u>Date:</u> 07/21/2014 or later FAA-approved revisions	Beechcraft Corporation	65 (with STC SA673GL installed); 65-90, 65-A90, 65-A90-1 (JU-21A), 65-A90-4 (RU-21E, RU-21H), B90, C90GT, C90GTi, E90, H90 (with STC SA619GL installed); JRB-6 (with STC SA788GL installed); D18C, D18S, E18S, E18S-9700, G18S, H18, C-45G, TC-45G, RC45J, C-45H, TC-45H, TC-45J, JRB-6, 3N, 3NM, 3TM (with STC SA1222GL installed)
“	“	“	“	Viking Air Limited	DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300 (with STC SA1065GL installed)

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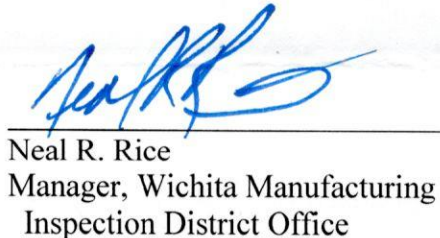
GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplementary ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.



Timothy P. Smyth
Manager, Chicago Aircraft
Certification Office



Neal R. Rice
Manager, Wichita Manufacturing
Inspection District Office



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

Aircraft Certification Service
System Oversight Division
Wichita MIDO Section
2204 S. Tyler Rd.
Wichita, Kansas 67209

August 23, 2017

Mr. Kyle Byrne
Production Manager
Aviation Products Systems, Inc.
3701 Highway 162
Granite City, IL 62040

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Dear Mr. Byrne:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products, Articles, and Parts, Subpart K, the FAA has found that the design data, based on Test and Computation per 14 CFR § 21.303, as approved by the Chicago FAA Aircraft Certification Office letter, dated June 30, 2017, meet the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Aviation Products Systems, Inc. has established the quality system required by §21.307 at 3701 Highway 162, Granite City, Illinois 62040. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 38.

You are reminded that the provisions of 14 CFR, parts 21 and 45 noted in our PMA letter of approval dated August 25, 1994, also apply to the enclosed PMA Listing-Supplement No. 38. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

Neal R. Rice
Manager, Wichita MIDO Section

Enclosure: PMA Listing-Supplement No. 38

cc: AIR-6C2



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.: 38
Date: June 30, 2017


Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Brake Disc	APS164-21600	Parker Hannifin (Cleveland) 164-21600	Test and Computations per 14 CFR § 21.303 DWG No: APS164-21600 Rev: E Date: 03/17/2015 or later FAA-approved revisions	Piper Aircraft, Inc.	PA-44-180 (S/N 7995001 and on)


-----END OF DATA-----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplementary ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.


Timothy P. Smyth
Manager, Chicago Aircraft
Certification Office


Neal R. Rice
Manager, Wichita Manufacturing
Inspection District Office



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

Aviation Safety

2204 S. Tyler Rd.
Wichita, Kansas 67209

June 25, 2019

Mr. Kyle Byrne
Project Manager
Aviation Product Systems, Inc.
3701 Highway 162
Granite City, Illinois 62040

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Dear Mr. Byrne:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products, Articles and Parts, subpart K, the FAA has found that the design data, based on Test and Computation per 14 CFR § 21.303 as approved by the Chicago ACO Branch, letter dated April 1, 2019, meet the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Aviation Product Systems, Inc., has established the quality system required by §21.307 at 3701 Highway 162, Granite City, Illinois. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 39.

You are reminded that the provisions of 14 CFR, parts 21 and 45 noted in our PMA letter of approval dated August 25, 1994, also apply to the enclosed PMA Listing-Supplement No. 39. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

Neal R. Rice
Manager, Wichita MIDO Section

Enclosure: PMA Listing-Supplement No. 39

cc: AIR-6C2



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.: 39
Date: April 1, 2019

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Brake Overhaul Kit	APS199-575A	Parker Hannifin (Cleveland) 199-575A	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS199-575A <u>Rev:</u> B <u>Date:</u> 01/24/2017 or later FAA-approved revisions	Pilatus Aircraft Ltd.	PC-12 (with STC SA01376CH installed), PC-12/45 (with STC SA01376CH installed), PC-12/47 (with STC SA01376CH installed), PC-12/47E
Washer	APS095-01100	Parker Hannifin (Cleveland) 095-01100	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS095-01100 <u>Rev:</u> - <u>Date:</u> 06/07/2016 or later FAA-approved revisions	Pilatus Aircraft Ltd.	PC-12 (with STC SA01376CH installed), PC-12/45 (with STC SA01376CH installed), PC-12/47 (with STC SA01376CH installed), PC-12/47E
O-Ring	APS101-00700	Parker Hannifin (Cleveland) 101-00700	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS101-00700 <u>Rev:</u> - <u>Date:</u> 06/07/2016 or later FAA-approved revisions	Pilatus Aircraft Ltd.	PC-12 (with STC SA01376CH installed), PC-12/45 (with STC SA01376CH installed), PC-12/47 (with STC SA01376CH installed), PC-12/47E
O-Ring	APS101-02500	Parker Hannifin (Cleveland) 101-02500	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS101-02500 <u>Rev:</u> - <u>Date:</u> 06/07/2016 or later FAA-approved revisions	Pilatus Aircraft Ltd.	PC-12 (with STC SA01376CH installed), PC-12/45 (with STC SA01376CH installed), PC-12/47 (with STC SA01376CH installed), PC-12/47E
Rivet	APS105-02401	Parker Hannifin (Cleveland) 105-02401	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS105-02401 <u>Rev:</u> - <u>Date:</u> 06/07/2016 or later FAA-approved revisions	Pilatus Aircraft Ltd.	PC-12 (with STC SA01376CH installed), PC-12/45 (with STC SA01376CH installed), PC-12/47 (with STC SA01376CH installed), PC-12/47E
Rivet	APS105-08701	Parker Hannifin (Cleveland) 105-08701	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS105-08701 <u>Rev:</u> - <u>Date:</u> 06/07/2016 or later FAA-approved revisions	Pilatus Aircraft Ltd.	PC-12 (with STC SA01376CH installed), PC-12/45 (with STC SA01376CH installed), PC-12/47 (with STC SA01376CH installed), PC-12/47E
Scraper	APS107-03700	Parker Hannifin (Cleveland) 107-03700	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> APS107-03700 <u>Rev:</u> - <u>Date:</u> 06/07/2016 or later FAA-approved revisions	Pilatus Aircraft Ltd.	PC-12 (with STC SA01376CH installed), PC-12/45 (with STC SA01376CH installed), PC-12/47 (with STC SA01376CH installed), PC-12/47E

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA No.: PQ3830CE
Supplement No.: 39
Date: April 1, 2019

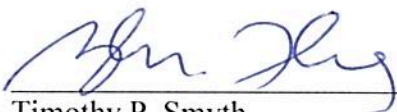
Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Wear Pad	APS109-03000	Parker Hannifin (Cleveland) 109-03000	Test and Computations per 14 CFR § 21.303 DWG No: APS109-03000 Rev: - Date: 06/07/2016 or later FAA-approved revisions	Pilatus Aircraft Ltd.	PC-12 (with STC SA01376CH installed), PC-12/45 (with STC SA01376CH installed), PC-12/47 (with STC SA01376CH installed), PC-12/47E
Rotor	APS159-07400	Parker Hannifin (Cleveland) 159-07400	Test and Computations per 14 CFR § 21.303 DWG No: APS159-07400 Rev: - Date: 06/07/2016 or later FAA-approved revisions	Pilatus Aircraft Ltd.	PC-12 (with STC SA01376CH installed), PC-12/45 (with STC SA01376CH installed), PC-12/47 (with STC SA01376CH installed), PC-12/47E

-----END OF DATA-----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplementary ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.


for Timothy P. Smyth
Manager, Chicago ACO Branch,
Compliance & Airworthiness Division


Neal R. Rice
Manager, Wichita MIDO Section,
System Oversight Division



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

Aviation Safety

2204 S. Tyler Rd.
Wichita, Kansas 67209

September 14, 2020

Mr. Kyle Byrne
Production Manager
Aviation Products Systems, Inc.
3701 Highway 162
Granite City, IL 62040

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Dear Mr. Schwarz:

In accordance with Title 14, Code of Federal Regulations (14 CFR) part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, as submitted by Aviation Products Systems, Inc., on July 31, 2020, meet the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Aviation Products Systems, Inc., has established the quality system required by §21.307 at 3701 Highway 162, Granite City, IL, 62040. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 40.

You are reminded that the provisions of 14 CFR, parts 21 and 45 noted in our PMA letter of approval dated January 3, 2018, also apply to the enclosed PMA Listing-Supplement No. 40. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

NEAL R RICE
Digitally signed by NEAL
R RICE
Date: 2020.09.21
14:49:53 -05'00'

Neal R. Rice
Manager, Wichita MIDO Section

Enclosure:
PMA Listing-Supplement No. 40

cc: AIR-6C28



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. 40
Dated: August 27, 2020

Page 1 of 5

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Shim, Brake	APS068-01100	068-01100	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS068-01100 <u>Rev:</u> IR <u>Date:</u> 4/8/20 or later FAA-approved revisions	Allied Ag Cat Productions, Inc.	G-164
				American Champion Aircraft Corp.	8GCBC
				B-N Group Ltd.	BN-2, BN-2A, BN-2A-6, BN-2A-8, BN-2A-2, BN-2A-9, BN-2A-3, BN-2A-20, BN-2A-21, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27, BN-2T
				Textron Aviation Inc.	P210N, P210R, 210-5A (205) LC40-550FG, LC41-550FG, LC42-550FG T303 336 337B, 337C, 337D
				Cirrus Design Corporation	SR22
				Diamond Aircraft Industries GmbH	DA62
				Nomad TC Pty Ltd	N24A
				Piper Aircraft, Inc.	PA-23, PA-23-160, PA-23-235, PA-23-250, PA-E23-250 PA-30, PA-39 PA-32-260, PA-32-300, PA-32R-300, PA-32RT-300, PA-32RT-300T, PA-32-301, PA-32-301T PA-34-200, PA-34-200T, PA-34-220T PA-44-180, PA-44-180T PA-46-310P, PA-46-350P, PA-46-500TP

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Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
				Vulcanair S.p.A. Pacific Aerospace Limited	AP68TP-300 FU24-954, FU24A-954
Shim, Brake	APS068-01600	068-01600	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS068-01600 <u>Rev:</u> IR <u>Date:</u> 4/8/20 or later FAA-approved revisions	Air Tractor, Inc. Thrush Aircraft, Inc. Textron Aviation Inc.	AT-602 S2R-T660 190, 195, 195A, 195B 310, 310A, 310B, 310C, 310D, 310E, 310F, 310G, 310H, E310H, 310I, 310J, 310J-1, E310J, 310K, 310L, 310N, 310P, T310P, 310Q, T310Q, 310R, T310R 320, 320-1, 320A, 320B, 320C, 320D, 320E, 320F, 335, 340, 340A 411, 411A, 414
				Piper Aircraft, Inc.	PA-31, PA-31-300, PA-31-325, PA-31-350
Shim, Brake	APS068-01700	068-01700	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS068-01700 <u>Rev:</u> IR <u>Date:</u> 1/24/20 or later FAA-approved revisions	Aerostar Aircraft Corporation Textron Aviation Inc.	PA-60-600, PA-60-601, PA-60-601P, PA-60-602P, PA-60-700P 45 (YT-34), A45 (T-34A, B-45), D45 (T-34B) 35, A35, B35, C35, D35, E35, F35, G35, 35R H35, J35, K35, M35, N35, P35, S35 95, B95, B95A, D95A, E95, 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B (T-42), 95-C55, 95-C55A, D55, D55A, E55, E55A, 56TC, A56TC, 58, 58A 188, 188A, 188B, A188, A188A, A188B, T188C T303 337E

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Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
				B-N Group Ltd.	BN-2A-2, BN-2A-3, BN-2A-6, BN2A-8, BN-2A-9, BN-2A-20, BN-2A-21, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27 BN2A MK. 111, BN2A MK. 111-2, BN2A MK. 111-3
				Helio Aircraft LLC	H-250, H-295 (USAF U-10D), H-391 (USAF YL-24), H-395 (USAF L-28A or U-10B)
				Sierra Hotel Aero, Inc.	Navion (L-17A), NavionA (L-17B), (L-17C), Navion B, Navion C, Navion D, Navion E, Navion F, Navion G, Navion H
Shim, Brake	APS068-02700	068-02700	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS068-02700 <u>Rev:</u> IR <u>Date:</u> 4/8/20 or later FAA-approved revisions	Textron Aviation Inc.	3N, 3NM, 3TM, JRB-6, D18C, D18S, E18S, G18S, H18, E18S-9700, C45G, TC-45G, C-45H, TC-45H, TC-45J, RC-45J 95, B95, B95A, D95A, E95, 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B (T-42), 95-C55, 95-C55A, D55, D55A, E55, E55A, 58, 58A 58P, 58TC 60, A60, B60
Shim, Brake	APS068-02800	068-02800	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS068-02800 <u>Rev:</u> IR <u>Date:</u> 4/8/20 or later FAA-approved revisions	Textron Aviation Inc. Viking Air Limited Cougar Aircraft Corporation Pacific Aerospace Limited Piper Aircraft, Inc. Daher Aircraft Design, LLC Vulcanair S.p.A.	208, 208B DHC-2 Mk.I, DHC-2 Mk.II, DHC-2 Mk.III GA-7 750XL PA-24-400 PA-31-350 Kodiak 100 P.68, P.68B, P.68C, P.68C-TC

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Shim, Brake	APS068-02900	068-02900	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS068-02900 <u>Rev:</u> IR <u>Date:</u> 4/8/20 or later FAA-approved revisions	Textron Aviation Inc.	404, 425
Shim, Brake	APS068-03000	068-03000	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS068-03000 <u>Rev:</u> IR <u>Date:</u> 4/8/20 or later FAA-approved revisions	Piper Aircraft, Inc.	PA-31, PA-31-300, PA-31-325, PA-31-350
Shim, Brake	APS068-03100	068-03100	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS068-03100 <u>Rev:</u> IR <u>Date:</u> 4/8/20 or later FAA-approved revisions	Textron Aviation Inc.	340, 340A 401, 401A, 401B, 402, 402A, 402B, 402C, 411, 411A, 414A, 421, 421A, 421B, 421C
				Piper Aircraft, Inc.	PA-31-350 PA-31T, PA-31TI
Shim, Brake	APS068-03300	068-03300	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS068-03300 <u>Rev:</u> IR <u>Date:</u> 4/8/20 or later FAA-approved revisions	Twin Commander Aircraft LLC	500, 500A, 500B, 500S, 500U 560-F, 680F, 680FL, 680FL(P), 680T, 680V, 680W, 681, 685, 690, 690A, 690B, 690C, 690D, 695, 685A, 695B
				Mitsubishi Heavy Industries, Ltd.	MU-2B, MU-2B-10, MU-2B-15, MU-2B-20, MU-2B-25, MU-2B-26, MU-2B-30, MU-2B-35, MU-2B-36 MU-2B-25, MU-2B-35, MU-2B-26, MU-2B-36, MU-2B-26A, MU-2B-36A, MU-2B-40, MU-2B-60
				Piper Aircraft, Inc.	PA-31, PA-31-300, PA-31-325, PA-31-350 PA-31P, PA-31P-250
Shim, Brake	APS068-03900	068-03900	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS068-03900 <u>Rev:</u> IR <u>Date:</u> 1/24/20 or later FAA-approved revisions	Textron Aviation Inc.	65 (L-23F), A65, 70, 65-80, 65-A80, 65-B80, 65-88, 65-90, 65-A90, C90, C90A, C90GT, C90GTi, 65-A90-1 (JU-21A), 65-

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					A90-4 (RU-21E, RU-21H), B90, E90, H90 (T-44A)
				Piper Aircraft, Inc.	PA-31T2, PA-31T3 PA-42-720R
				M7 Aerospace LLC	SA226-T, SA226-AT
Shim, Brake	APS068-04000	068-04000	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS068-04000 <u>Rev:</u> IR <u>Date:</u> 4/8/20 or later FAA-approved revisions	Textron Aviation Inc.	441
Shim, Brake	APS068-04100	068-04100	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS068-04100 <u>Rev:</u> IR <u>Date:</u> 4/8/20 or later FAA-approved revisions	Leonardo S.p.a Textron Aviation Inc.	AW169 F90 99, 99A, A99A, B99, C99, 100, A100, B100 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T, B200GT, B200CGT
Shim, Brake	APS068-04600	068-04600	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS068-04600 <u>Rev:</u> IR <u>Date:</u> 4/8/20 or later FAA-approved revisions	Viking Air Limited	DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300

-----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 and 21.619) to drawings and specifications are to be handled in the same manner as that for an original PMA.


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