

**Int. Cl.: 7**

**Prior U.S. Cls.: 13, 19, 21, 23, 31, 34 and 35**

**Reg. No. 3,569,513**

**United States Patent and Trademark Office**

**Registered Feb. 3, 2009**

**TRADEMARK  
PRINCIPAL REGISTER**

**TEMPEST**

AERO ACCESSORIES, INC. (NORTH CAROLINA  
CORPORATION)  
1240 SPRINGWOOD AVENUE  
GIBSONVILLE, NC 27249

FOR: AIRCRAFT ENGINE PARTS, NAMELY, AIR  
PUMPS, FUEL PUMPS, CARBURETORS, CHECK  
VALVE MANIFOLDS, VACUUM SWITCH MANI-  
FOLDS, IGNITION SOURCES, IGNITION WIRES,  
AIR FILTERS, AND OIL FILTERS, IN CLASS 7 (U.S.  
CLS. 13, 19, 21, 23, 31, 34 AND 35).

FIRST USE 1-1-2001; IN COMMERCE 1-1-2001.

THE MARK CONSISTS OF STANDARD CHAR-  
ACTERS WITHOUT CLAIM TO ANY PARTICULAR  
FONT, STYLE, SIZE, OR COLOR.

SER. NO. 77-491,874, FILED 6-5-2008.

MARIA-VICTORIA SUAREZ, EXAMINING ATTOR-  
NEY

**FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURING APPROVAL**

Aero Accessories, LLC.  
1240 Springwood Church Road  
Gibsonville, N.C. 27249

PMA NO. PQ1206CE  
SUPPLEMENT NO. 107  
DATE: February 21, 2018

Article Name	Part Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make / TCH Eligibility	Model / Series Eligibility
Spark Plug	URHB32HE	ELECTROAIR Part No. EARHB32E	Test and Computation per 14 CFR § 21.303 Dwg. No. – URHB32HE Rev: 0 Date: 10/21/2014 or later FAA – approved revisions.	American Champion (Type Certificated Aircraft only where STC SA03286CH is installed)	AC-7
				Aermacchi (Type Certificated Aircraft only where STC SA03286CH is installed)	S.208, S.208A
				Aeronautica Macchi (Type Certificated Aircraft only where STC SA03286CH is installed)	AI. 60, AI. 60-B
				Air Parts and Development (Type Certificated Aircraft only where STC SA03286CH is installed)	A-9, A-9A, A-9B
				Anderson, Greenwood, and Company (Type Certificated Aircraft only where STC SA03286CH is installed)	51, 51A
				Beechcraft (Type Certificated Aircraft only where STC SA03286CH is installed)	H35, J35, K35, M35, 35-33, N35, 35-A33, 35-B33, P35, S35, 35-C33, E33, F33, V35, V35A, V35B, 35- C33A, E33A, E33C, 36, A36, F33A, F33C, G33, G36, A36TC, B36TC A45, D45 58P, 58PA, 58TC, 58TCA 95-55, 95-A55,

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	URHB32HE (Continued)				95-B55, 95-B55A, 95-B55B, 95-C55, D55, 95-C55A, D55A, E55, E55A, 58, 58A, G58
				Bellanca / Viking (Type Certificated Aircraft only where STC SA03286CH is installed)	14-19-2, 14-19-3, 14-19-3A, 17-30 17-30A 14-19, 17-31, 17-31TC, 17-31A
				Beriev (Type Certificated Aircraft only where STC SA03286CH is installed)	Be-103
				Britten -- Norman Islander (Type Certificated Aircraft only where STC SA03286CH is installed)	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-26, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27, BN2A MK.III, BN2A MK. III-2, BN2A MK. III-3
				Cessna (Type Certificated Aircraft only where STC SA03286CH is installed)	R172E, R172F, R172G, R172H, R172J, R172K  FR172E, FR172F, FR172G, FR172H, FR172J, FR172K
					180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K
					182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P,

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	URHB32HE (Continued)			Cessna (Continued)	182Q, 182R F182P, F182Q R182, 182S, T182 FR182, FR182Q 185, 185A, 185B, 185C, 185D, 185E, A185E, A185F 188, A188, 188A, 188B, A188A, A188B, T188A 206, P206, P206A, P206B, P206C, P206D, P206E, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G, TU206A, TU206B, TP206A, TP206B, IP206C, IP206D, TP206E, TU206C, TU206D, TU206E, TU206F, TU206G, TU-206 206H 207, 207A, T207, T207A 210, 210A, 210B, 210C, 210D, 210E, 210F, 210G, 210H, 210I, 210K, 210L, 210M, 210N, 210R, 210- S, (205), 210-5A, (205A), T210F, T210G, T210H, T210J, T210K, T210L, T210M, P210N, T210N, P210R, T210R LC40-550FG, LC42-550FG, LC41-550FG.

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Article Name	Part Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make / TCH Eligibility	Model / Series Eligibility	
					T240	
	URHB32HE (Continued)			Cessna (Continued)	T303  310, 310A, (USAF U-3A), 310B, 310C, 310D, 310E (USAF U-3B), 310F, 310G, 310H, E310H, 310L, 310J, 310J- 1, E310J, 310K, 310L, 310N, 310P, 310Q, 310R, T310P, T310Q, T310R  320, 320-1, 320A, 320B, 320C, 320D, 320E, 320F, 340, 340A, 335  321  336  F337E, F337F, F337G, F337H, FT337E, FT337F, FT337GP, FT337H  401, 401A, 401B, 402, 402A, 402B, 402C, 414, 414A  337, 337A, 337B, 337C, 337D, 337E, 337F, 337G, 337H, T337B, T337C, T337D, M337B, T337E, T337F, T337G, T337H, P337H, T337H- SP  Cirrus (Type Certificated Aircraft only where STC SA03286C11 is installed) Commander (Type Certificated Aircraft only where	SR20, SR22, SR22T  114, 114A, 114B

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Article Name	Part Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make / TCH Eligibility	Model / Series Eligibility
	URHB32HE (Continued)			STC SA03286CH is installed) Dornier (Type Certificated Aircraft only where STC SA03286CH is installed)	Do 28 A-1, Do 28 B-1
				Extra (Type Certificated Aircraft only where STC SA03286CH is installed)	EA-300, EA-300/S, EA-300/1., EA-300/200 EA 400
				Fletcher (Type Certificated Aircraft only where STC SA03286CH is installed)	FU-24, FU-24A
				FLS Aerospace Ltd. (Type Certificated Aircraft only where STC SA03286CH is installed)	OA7 Optica Series 300
				Found Aircraft Canada, Inc. (Type Certificated Aircraft only where STC SA03286CH is installed)	FBA-2C, FBA-2C1, FBA-2C2
				Found Brothers Aviation Ltd. (Type Certificated Aircraft only where STC SA03286CH is installed)	FBA Centennial 100
				Fred Garcia (Type Certificated Aircraft only where STC SA03286CH is installed)	Camair 480
				General Avia (Type Certificated Aircraft only where	F.20

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				STC SA03286CH is installed)	
	URHB32HE (Continued)			Gippsland (Type Certificated Aircraft only where STC SA03286CH is installed)	GA8, GA200, GA-200C GA8-TC320
				Grob - Werke (Type Certificated Aircraft only where STC SA03286CH is installed)	Grob G120A
				Helio Aircraft Corp. (Type Certificated Aircraft only where STC SA03286CH is installed)	20
				Helio Aircraft LLC. (Type Certificated Aircraft only where STC SA03286CH is installed)	H-250 500
				Ilyushin (Type Certificated Aircraft only where STC SA03286CH is installed)	IL-103
				King's Engineering Fellowship (Type Certificated Aircraft only where STC SA03286C11 is installed)	4500-300, 4500- 300 Series II
				Lavia Argentina SA (Type Certificated Aircraft only where STC SA03286CH is installed)	PA-25-235, PA-25-260

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Article Name	Part Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make / TCH Eligibility	Model / Series Eligibility
	URHB32HE (Continued)			Lockheed Martin Aeronautics Company (Type Certificated Aircraft only where STC SA03286CH is installed)	402-2
				Luscombe (Type Certificated Aircraft only where STC SA03286CH is installed)	11E
				Mael Aircraft Corp. (Type Certificated Aircraft only where STC SA03286CH is installed)	BA-42
				Maule (Type Certificated Aircraft only where STC SA03286CH is installed)	M-4-210, M-4-210C, M-4-210S, M-4-210T, M-5-210C  M-5-235C, M-6-235, M-7-235, MX-7-235, M1-7-235, M-8-235, M-7-235B, M-7-235A, M-7-235C, M-7-260, MT-7-260, M-7-260C, M-9-235
				Meyers / Aero Commander (Type Certificated Aircraft only where STC SA03286CH is installed)	200, 200A, 200B, 200C, 200D
				Micco Aircraft Company (Type Certificated Aircraft only where	MAC-145B



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					STC SA03286CH is installed)
	URHB32HE (Continued)			Mooney (Type Certificated Aircraft only where STC SA03286CH is installed)	M20K, M20R, M20S, M20TN
				Nardi SA (Type Certificated Aircraft only where STC SA03286CH is installed)	FN-333
				Navion (Type Certificated Aircraft only where STC SA03286CH is installed)	D, E, F, G, H
				Piper (Type Certificated Aircraft only where STC SA03286CH is installed)	PA-23-250, PA-23-235, PA-E23-250, PA-23-250 (Navy UOI)  PA-24-250, PA-24-260  PA-25-235, PA-25-260  PA-28-235, PA-28-236  PA-28R-201T, PA-28RT-201T, PA-28-201T  PA-31-300  PA-32-260, PA-32-300, PA-32S-300, PA-32R-300, PA-32RT-300, PA-32R-301 PA-32-301, PA-32-301FI  PA-34-200T, PA-34-220T

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Article Name	Part Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make / TCH Eligibility	Model / Series Eligibility
					PA-36-300
					PA-46-310P
					PA-60-600, PA-60-601, PA-60-601P, PA-60-602
	URHB32HE (Continued)			Pitts (Type Certificated Aircraft only where STC SA03286CH is installed)	S-2S, S-2B, S-2C
				Procaer (Type Certificated Aircraft only where STC SA03286CH is installed)	F15 / C F15 / E
				PZL (Type Certificated Aircraft only where STC SA03286CH is installed)	M20 03 M26 01
				Regal Air, Inc. (Type Certificated Aircraft only where STC SA03286CH is installed)	305A 305B 305C 305D 305E 305F
				Revo Inc. (Type Certificated Aircraft only where STC SA03286CH is installed)	Lake Model 250
				Ruschmeyer Luftfahrttechnik (Type Certificated Aircraft only where STC SA03286CH is installed)	R90-230RG
				Siai Marchetti (Type Certificated Aircraft only where	F.260, F.260B, F.260C, F.260D, F.260E, F.260F

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				STC SA03286CH is installed)	
				Slingsby Aviation Ltd. (Type Certificated Aircraft only where STC SA03286CH is installed)	T76M 260, T76M 260-T3A
				Socata (Type Certificated Aircraft only where STC SA03286CH is installed)	TB 20 Rallye 235C, Rallye 235E
				Transfield Pty. Ltd. (Type Certificated Aircraft only where STC SA03286CH is installed)	PL-12/T-300
				Triton Aerospace (Type Certificated Aircraft only where STC SA03286CH is installed)	A500
				Twin Commander (Type Certificated Aircraft only where STC SA03286CH is installed)	500, 500-A, 500-B, 500-S, 500-U
				Warskawa – Okecie (Type Certificated Aircraft only where STC SA03286CH is installed)	PZL-104M Wilga 2000 PZL-104MA Wilga 2000
				Zlin (Type Certificated Aircraft only where STC SA03286CH is installed)	Z-143L

URHB32HE  
(Continued)

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Article Name	Part Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make / TCH Eligibility	Model / Series Eligibility
Spark Plug	URHB32HS	ELECTROAIR Part No. EARHB32S	Test and Computation per 14 CFR § 21.303 Dwg. No. -- URHB32HS Rev: 0 Date: 10/21/2014 or later FAA – approved revisions.	American Champion (Type Certificated Aircraft only where STC SA03286CH is installed)	AC-7
	URHB32HS (Continued)			Aermacchi (Type Certificated Aircraft only where STC SA03286CH is installed)	S.208, S.208A
				Aeronautica Macchi (Type Certificated Aircraft only where STC SA03286CH is installed)	AL 60, AL 60-B
				Air Parts and Development (Type Certificated Aircraft only where STC SA03286CH is installed)	A-9, A-9A, A-9B
				Anderson, Greenwood, and Company (Type Certificated Aircraft only where STC SA03286CH is installed)	51, 51A
				Beechcraft (Type Certificated Aircraft only where STC SA03286CH is installed)	H35, J35, K35, M35, 35-33, N35, 35-A33, 35-B33, P35, S35, 35-C33, E33, F33, V35, V35A, V35B, 35- C33A, F33A, E33C, 36, A36, F33A, F33C, G33, G36, A36TC, B36TC A45, D45 58P, 58PA, 58TC, 58TCA 95-55, 95-A55.

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					95-B55, 95-B55A, 95-B55B, 95-C55, D55, 95-C55A, D55A, E55, E55A, 58, 58A, G58
				Bellanca / Viking (Type Certificated Aircraft only where STC SA03286CH is installed)	14-19-2, 14-19-3, 14-19-3A, 17-30 17-30A 14-19, 17-31, 17-31TC, 17-31A
				Beriev (Type Certificated Aircraft only where STC SA03286CH is installed)	Be-103
				Britten – Norman Islander (Type Certificated Aircraft only where STC SA03286CH is installed)	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-26, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27, BN2A MK.III, BN2A MK. III-2, BN2A MK. III-3
				Cessna (Type Certificated Aircraft only where STC SA03286CH is installed)	R172E, R172F, R172G, R172H, R172J, R172K  FR172E, FR172F, FR172G, FR172H, FR172J, FR172K
					180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K
					182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P.

URHB32HS  
(Continued)

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					182Q, 182R
					F182P, F182Q
					R182, 182S, T182
					FR182, FR182Q
					185, 185A, 185B, 185C, 185D, 185F, A185E, A185F
	URHB32HS (Continued)			Cessna (Continued)	188, A188, 188A, 188B, A188A, A188B, T188A
					206, P206, P206A, P206B, P206C, P206D, P206E, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G, TU206A, TU206B, TP206A, TP206B, TP206C, TP206D, TP206E, TU206C, TU206D, TU206E, TU206F, TU206G, TU-206
					206H
					207, 207A, T207, T207A
					210, 210A, 210B, 210C, 210D, 210E, 210F, 210G, 210H, 210I, 210K, 210L, 210M, 210N, 210R, 210- S, (205), 210-5A, (205A), T210F, T210G, T210H, T210J, T210K, T210L, T210M, P210N, T210N, P210R, T210R LC40-550FG, LC42-550FG, LC41-550FG,

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					T240
					T303
					310, 310A, (USAF U-3A), 310B, 310C, 310D, 310E (USAF U-3B), 310F, 310G, 310H, E310H, 310I, 310J, 310J-1, E310J, 310K, 310L, 310N, 310P, 310Q, 310R, T310P, T310Q, T310R
				Cessna (Continued)	320, 320-1, 320A, 320B, 320C, 320D, 320E, 320F, 340, 340A, 335
					321
					336
					F337E, F337F, F337G, F337H, FT337E, FT337F, FT337GP, FT337H
					401, 401A, 401B, 402, 402A, 402B, 402C, 414, 414A
					337, 337A, 337B, 337C, 337D, 337E, 337F, 337G, 337H, T337B, T337C, T337D, M337B, T337E, T337F, T337G, T337H, P337H, T337H-SP
				Cirrus (Type Certificated Aircraft only where STC SA03286CH is installed)	SR20, SR22, SR22T
				Commander (Type Certificated Aircraft only where	114, 114A, 114B
URHB32HS (Continued)					

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				STC SA03286CH is installed)	
				Dornier (Type Certificated Aircraft only where STC SA03286CH is installed)	Do 28 A-1, Do 28 B-1
	URHB32HS (Continued)			Extra (Type Certificated Aircraft only where STC SA03286CH is installed)	EA-300, EA-300/S, EA-300/1, EA-300/200 EA 400
				Fletcher (Type Certificated Aircraft only where STC SA03286CH is installed)	FU-24, FU-24A
				FLS Aerospace Ltd. (Type Certificated Aircraft only where STC SA03286CH is installed)	OA7 Optica Series 300
				Found Aircraft Canada, Inc. (Type Certificated Aircraft only where STC SA03286CH is installed)	FBA-2C, FBA-2C1, FBA-2C2
				Found Brothers Aviation Ltd. (Type Certificated Aircraft only where STC SA03286CH is installed)	FBA Centennial 100
				Fred Garcia (Type Certificated Aircraft only where STC SA03286CH is installed)	Camair 480
				General Avia (Type Certificated	F.20



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				Aircraft only where STC SA03286CH is installed)	
				Gippsland (Type Certificated Aircraft only where STC SA03286CH is installed)	GA8, GA200, GA-200C GA8-TC320
				Grob - Werke (Type Certificated Aircraft only where STC SA03286CH is installed)	Grob G120A
				Helio Aircraft Corp. (Type Certificated Aircraft only where STC SA03286CH is installed)	20
				Helio Aircraft LLC. (Type Certificated Aircraft only where STC SA03286CH is installed)	H-250 500
				Ilyushin (Type Certificated Aircraft only where STC SA03286CH is installed)	IL-103
				King's Engineering Fellowship (Type Certificated Aircraft only where STC SA03286CH is installed)	4500-300, 4500-300 Series II
				Lavia Argentina SA (Type Certificated Aircraft only where STC SA03286CH is installed)	PA-25-235, PA-25-260

URHB32HS  
(Continued)

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				Luscombe (Type Certificated Aircraft only where STC SA03286CH is installed)	11E
	URHB32HS (Continued)			Mael Aircraft Corp. (Type Certificated Aircraft only where STC SA03286CH is installed)	BA-42
				Maule (Type Certificated Aircraft only where STC SA03286CH is installed)	M-4-210, M-4-210C, M-4-210S, M-4-210T, M-5-210C M-5-235C, M-6-235, M-7-235, MX-7-235, MT-7-235, M-8-235, M-7-235B, M-7-235A, M-7-235C, M-7-260, MT-7-260, M-7-260C, M-9-235
				Meyers / Aero Commander (Type Certificated Aircraft only where STC SA03286CH is installed)	200, 200A, 200B, 200C, 200D
				Micco Aircraft Company (Type Certificated Aircraft only where STC SA03286CH is installed)	MAC-145B

**FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURING APPROVAL**

Aero Accessories, LLC.  
 1240 Springwood Church Road  
 Gibsonville, N.C. 27249

PMA NO. PQ1206CE  
 SUPPLEMENT NO. 107  
 DATE: February 21, 2018

Article Name	Part Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make / TCH Eligibility	Model / Series Eligibility
				Mooney (Type Certificated Aircraft only where STC SA03286CH is installed)	M20K, M20R, M20S, M20TN
				Nardi SA (Type Certificated Aircraft only where STC SA03286CH is installed)	FN-333
				Navion (Type Certificated Aircraft only where STC SA03286CH is installed)	D, E, F, G, H
				Piper (Type Certificated Aircraft only where STC SA03286CH is installed)	PA-23-250, PA-23-235, PA-E23-250, PA-23-250 (Navy UOI)  PA-24-250, PA-24-260  PA-25-235, PA-25-260  PA-28-235, PA-28-236  PA-28R-201T, PA-28RT-201T, PA-28-201T  PA-31-300  PA-32-260, PA-32-300, PA-32S-300, PA-32R-300, PA-32RT-300, PA-32R-301, PA-32-301, PA-32-301FT  PA-34-200T, PA-34-220T  PA-36-300  PA-46-310P  PA-60-600.
	URHB32HS (Continued)				

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Article Name	Part Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make / TCH Eligibility	Model / Series Eligibility
					PA-60-601, PA-60-601P, PA-60-602
			Pitts (Type Certificated Aircraft only where STC SA03286CH is installed)		S-2S, S-2B, S-2C
			Procaer (Type Certificated Aircraft only where STC SA03286CH is installed)		F15 / C F15 / E
			PZL (Type Certificated Aircraft only where STC SA03286CH is installed)		M20 03 M26 01
			Regal Air, Inc. (Type Certificated Aircraft only where STC SA03286CH is installed)		305A 305B 305C 305D 305E 305F
			Revo Inc. (Type Certificated Aircraft only where STC SA03286CH is installed)		Lake Model 250
			Ruschmeyer Luftfahrttechnik (Type Certificated Aircraft only where STC SA03286CH is installed)		R90-230RG
			Siai Marchetti (Type Certificated Aircraft only where STC SA03286CH is installed)		F.260, F.260B, F.260C, F.260D, F.260E, F.260F
			Slingsby Aviation Ltd. (Type Certificated		T76M 260, T76M 260-T3A

URHB32HS  
 (Continued)

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Article Name	Part Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make / TCH Eligibility	Model / Series Eligibility
				Aircraft only where STC SA03286CH is installed)	
				Socata (Type Certificated Aircraft only where STC SA03286CH is installed)	TH 20 Rallye 235C. Rallye 235E
				Transfield Pty. Ltd. (Type Certificated Aircraft only where STC SA03286CH is installed)	PL-12/T-300
	URHB32HS (Continued)			Triton Aerospace (Type Certificated Aircraft only where STC SA03286CH is installed)	A500
				Twin Commander (Type Certificated Aircraft only where STC SA03286CH is installed)	500. 500-A, 500-B, 500-S, 500-U
				Warskawa – Okecie (Type Certificated Aircraft only where STC SA03286CH is installed)	PZL-104M Wilga 2000 PZL-104MA Wilga 2000
				Zlin (Type Certificated Aircraft only where STC SA03286CH is installed)	Z-143L

**END OF DATA**

**GENERAL NOTES:**

- 1) 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.

**FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURING APPROVAL**

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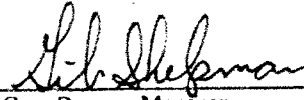
PMA NO. PQ1206CE  
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<b>Article Name</b>	<b>Part Number</b>	<b>Approved Replacement for Article Number</b>	<b>Approval Basis and Approved Design Data</b>	<b>Make / TCH Eligibility</b>	<b>Model / Series Eligibility</b>
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- 2) 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 supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.



*(for)* Christina Underwood  
Manager, Atlanta ACO Branch



*for* Greg Benson, Manager  
Manager, Atlanta MIDO Section  
System Oversight Division