

January 16, 2014

Project No. PQ3732CE

Mr. Dana Yarnell Quality Manager McFarlane Aviation, Inc. 696 E. 1700 Road Baldwin City, KS 66006

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 submitted by McFarlane Aviation, Inc., with your letter dated November 5, 2013, 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 McFarlane Aviation, Inc., has established the quality system required by § 21.307 at 696 E. 1700 Road, Baldwin City, KS 66006. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed **Supplement No.71**.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA Letter of Approval dated September 3, 1993, also applies to the enclosed PMA Listing-Supplement No.71.

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

Sincerely,

Edward J. Mehrhoff
Aviation Safety Inspector

Kansas City, MIDO

Enclosure



FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

McFarlane Aviation Inc. 696 E 1700 Road Baldwin City, KS 66006

PMA No: PQ3732CE Supplement No 71 Date: January 16, 2014

Article	Part Number	Approved	Approval Basis	MAKE	MODEL Eligibility:
Name		Replacement For	and Approved Design Data		MODEL ENGINETY.
		Part No.			
Brake	MC079-00300		Test and Computation per 14	Cessna	310 s/n all (Only for use with Cleveland
Bleeder			CFR § 21.303.		conversion kit 199-64); 310A s/n all
Screw			Drawing:6452, Rev: F, Date:		(Only for use with Cleveland conversion
			08/16/2012 or later FAA		kit 199-64); 310B s/n all (Only for use
			approved revisions.		with Cleveland conversion kit 199-64);
					310C s/n all (Only for use with Cleveland
					conversion kit 199-64); 310D s/n all
					(Only for use with Cleveland conversion
1					kit 199-64); 310E s/n all (Only for use
					with Cleveland conversion kit 199-64);
					310F s/n all (Only for use with Cleveland
					conversion kit 199-64); 310G s/n all
					(Only for use with Cleveland conversion
					kit 199-64); 310H s/n all (Only for use with Cleveland conversion kit 199-64);
	·				310I s/n all (Only for use with Cleveland
					conversion kit 199-64); 310J s/n all (Only
					for use with Cleveland conversion kit
					199-64); 310J-1 s/n all (Only for use with
					Cleveland conversion kit 199-64); 310K
					s/n all (Only for use with Cleveland
					conversion kit 199-64); 310L s/n all
					(Only for use with Cleveland conversion
				.	kit 199-64); 310N s/n all (Only for use
					with Cleveland conversion kit 199-64);
					310P s/n all (Only for use with Cleveland
					conversion kit 199-64); 310Q s/n all
					(Only for use with Cleveland conversion
					kit 199-64); 310R s/n all (Only for use
					with Cleveland conversion kit 199-64);
					E310H s/n all (Only for use with
					Cleveland conversion kit 199-64); E310J
					s/n all (Only for use with Cleveland conversion kit 199-64); T310P s/n all
					(Only for use with Cleveland conversion
					kit 199-64); T310Q s/n all (Only for use
		·			with Cleveland conversion kit 199-64);
			·		T310R s/n all (Only for use with
•					Cleveland conversion kit 199-64); 320 s/n
					all (Only for use with Cleveland
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¢.	Article Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	MAKE Eligibility	MODEL Eligibility:
			Part No.		Ziigibility	
	ar yesti me seesiye	e onge sama egyang samananan k				conversion kit 199-64); 320-1 s/n all (Only for use with Cleveland conversion kit 199-64); 320A s/n all (Only for use with Cleveland conversion kit 199-64); 320B s/n all (Only for use with Cleveland conversion kit 199-64); 320C s/n all (Only for use with Cleveland conversion kit 199-64); 320D s/n all (Only for use with Cleveland conversion kit 199-64); 320E s/n all (Only for use with Cleveland conversion kit 199-64); 320F s/n all (Only for use with Cleveland conversion kit 199-64); 340 s/n all (Only for use with Cleveland conversion kit 199-64); 340 s/n all (Only for use with Cleveland conversion kit 199-72); 340A
	ingen vi	Section Section 2018	antikan general Serva an interfer	San Fragisation fragis in the Agentiques in Arms		s/n all (Only for use with Cleveland conversion kit 199-72); 401 s/n all (Only for use with Cleveland conversion kit 199-72 or 199-76); 401A s/n all (Only for use with Cleveland conversion kit 199-72 or 199-76); 401B s/n all (Only for use with Cleveland conversion kit 199-72 or 199-76); 402 s/n all (Only for use with Cleveland conversion kit 199-72 or 199-
						76); 402A s/n all (Only for use with Cleveland conversion kit 199-72 or 199-76); 402B s/n all (Only for use with Cleveland conversion kit 199-72 or 199-76); 402C s/n all (Only for use with Cleveland conversion kit 199-76); 404 s/n all (Only for use with Cleveland conversion kit 199-78); 411 s/n all (Only
					•	for use with Cleveland conversion kit 199-72); 411A s/n all (Only for use with Cleveland conversion kit 199-72); 414 s/n all (Only for use with Cleveland conversion kit 199-72); 414A s/n all (Only for use with Cleveland conversion kit 199-72); 421 s/n all (Only for use with Cleveland conversion kit 199-76); 421A s/n all (Only for use with Cleveland conversion kit 199-76); 421C s/n all (Only for use with Cleveland conversion kit 199-76); 441 s/n all (Only for use with Cleveland conversion kit 199-76); 441 s/n all (Only for use with Cleveland conversion kit 199-115);
	Brake Bleeder Seat	MC081-00200		Test and Computation per 14 CFR § 21.303. Drawing:6452, Rev: F, Date: 08/16/2012 or later FAA approved revisions	Cessna	310 s/n all (Only for use with Cleveland conversion kit 199-64); 310A s/n all (Only for use with Cleveland conversion kit 199-64); 310B s/n all (Only for use with Cleveland conversion kit 199-64); 310C s/n all (Only for use with Cleveland conversion kit 199-64); 310D s/n all (Only for use with Cleveland conversion kit 199-64); 310E s/n all (Only for use with Cleveland conversion kit 199-64); 310F s/n all (Only for use with Cleveland conversion kit 199-64); 310F s/n all (Only for use with Cleveland

Article Name	Part Number	Approved Replacement For Part No.	Approval Basis and Approved Design Data	MAKE Eligibility	MODEL Eligibility:
		rartino.			conversion kit 199-64); 310G s/n all
					(Only for use with Cleveland conversion kit 199-64); 310H s/n all (Only for use
					with Cleveland conversion kit 199-64); 310I s/n all (Only for use with Cleveland conversion kit 199-64); 310J s/n all (Only
·					for use with Cleveland conversion kit 199-64); 310J-1 s/n all (Only for use with Cleveland conversion kit 199-64); 310K
					s/n all (Only for use with Cleveland conversion kit 199-64); 310L s/n all
					(Only for use with Cleveland conversion kit 199-64); 310N s/n all (Only for use with Cleveland conversion kit 199-64);
					310P s/n all (Only for use with Cleveland conversion kit 199-64); 310Q s/n all (Only for use with Cleveland conversion
					kit 199-64); 310R s/n all (Only for use with Cleveland conversion kit 199-64);
					E310H s/n all (Only for use with Cleveland conversion kit 199-64); E310J s/n all (Only for use with Cleveland
					conversion kit 199-64); T310P s/n all (Only for use with Cleveland conversion
:					kit 199-64); T310Q s/n all (Only for use with Cleveland conversion kit 199-64); T310R s/n all (Only for use with
					Cleveland conversion kit 199-64); 320 s/ all (Only for use with Cleveland conversion kit 199-64); 320-1 s/n all
					(Only for use with Cleveland conversion kit 199-64); 320A s/n all (Only for use
					with Cleveland conversion kit 199-64); 320B s/n all (Only for use with Clevelan conversion kit 199-64); 320C s/n all
					(Only for use with Cleveland conversion kit 199-64); 320D s/n all (Only for use
					with Cleveland conversion kit 199-64); 320E s/n all (Only for use with Clevelan conversion kit 199-64); 320F s/n all
•	·				(Only for use with Cleveland conversion kit 199-64); 340 s/n all (Only for use with the conversion of
					Cleveland conversion kit 199-72); 340A s/n all (Only for use with Cleveland conversion kit 199-72); 401 s/n all (Only
					for use with Cleveland conversion kit 199-72 or 199-76); 401A s/n all (Only for use with Cleveland conversion kit 199-7
					or 199-76); 401B s/n all (Only for use with Cleveland conversion kit 199-72 or
:			·		199-76); 402 s/n all (Only for use with Cleveland conversion kit 199-72 or 199-76); 402A s/n all (Only for use with
					Cleveland conversion kit 199-72 or 199-76); 402B s/n all (Only for use with
					Cleveland conversion kit 199-72 or 199-

	Article	Part Number	Approved	Approval Basis	MAKE	MODEL Eligibility:
e.	Name	2 44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Replacement For	and Approved Design Data		MODEL Enginety.
			Part No.			
						76); 402C s/n all (Only for use with
						Cleveland conversion kit 199-76); 404 s/n
	*		:	:		all (Only for use with Cleveland
						conversion kit 199-78); 411 s/n all (Only
				•		for use with Cleveland conversion kit
			4 1 1			199-72); 411A s/n all (Only for use with
-			,			Cleveland conversion kit 199-72); 414 s/n
-	an making massivini aas na saa	material and the second of the second		. And the second of the second	es men inser	all (Only for use with Cleveland conversion kit 199-72); 414A s/n all
						(Only for use with Cleveland conversion
						kit 199-72); 421 s/n all (Only for use with
						Cleveland conversion kit 199-76); 421A
	-					s/n all (Only for use with Cleveland
ı			·			conversion kit 199-76); 421C s/n all
١			·			(Only for use with Cleveland conversion
						kit 199-76); 441 s/n all (Only for use with
		NG100 00100	100 00100		~	Cleveland conversion kit 199-115);
	Brake Bleeder	MC183-00100	183-00100 183-0100	Test and Computation per 14	Cessna	310 s/n all (Only for use with Cleveland
	Screw		183-1	CFR § 21.303. Drawing: 6452 , Rev: F , Date:		conversion kit 199-64); 310A s/n all (Only for use with Cleveland conversion
	Cap		A30040	08/16/2012 or later FAA		kit 199-64); 310B s/n all (Only for use
	_F		112000	approved revisions.		with Cleveland conversion kit 199-64);
				T P		310C s/n all (Only for use with Cleveland
						conversion kit 199-64); 310D s/n all
						(Only for use with Cleveland conversion
	·					kit 199-64); 310E s/n all (Only for use
-	2					with Cleveland conversion kit 199-64);
						310F s/n all (Only for use with Cleveland
Ì						conversion kit 199-64); 310G s/n all (Only for use with Cleveland conversion
						kit 199-64); 310H s/n all (Only for use
1		anno de la companya de desarro de la companya del companya del companya de la com		gradient of a state of the stat		with Cleveland conversion kit 199-64);
						310I s/n all (Only for use with Cleveland
						conversion kit 199-64); 310J s/n all (Only
1			·			for use with Cleveland conversion kit
1						199-64); 310J-1 s/n all (Only for use with
						Cleveland conversion kit 199-64); 310K
			İ			s/n all (Only for use with Cleveland conversion kit 199-64); 310L s/n all
						(Only for use with Cleveland conversion
1		the state of the s	* * * * * * * * * * * * * * * * * * * *	*		kit 199-64); 310N s/n all (Only for use
ı						with Cleveland conversion kit 199-64);
						310P s/n all (Only for use with Cleveland
						conversion kit 199-64); 310Q s/n all
						(Only for use with Cleveland conversion
						kit 199-64); 310R s/n all (Only for use
						with Cleveland conversion kit 199-64);
						E310H s/n all (Only for use with
						Cleveland conversion kit 199-64); E310J s/n all (Only for use with Cleveland
		, , , , , , , , <u>l</u>				conversion kit 199-64); T310P s/n all
						(Only for use with Cleveland conversion
				1		kit 199-64); T310Q s/n all (Only for use
						with Cleveland conversion kit 199-64);
			·			T310R s/n all (Only for use with
L						Cleveland conversion kit 199-64); 320 s/n

<u>Article</u> <u>Name</u>	Part Number	Approved	Approval Basis	MAKE	MODEL Eligibility: * · .
<u> </u>		Replacement For Part No.	and Approved Design Data	Eligibility	
······································					·
		·			all (Only for use with Cleveland
ĺ					conversion kit 199-64); 320-1 s/n all
					(Only for use with Cleveland conversion
					kit 199-64); 320A s/n all (Only for use with Cleveland conversion kit 199-64);
					320B s/n all (Only for use with Cleveland
					conversion kit 199-64); 320C s/n all
					(Only for use with Cleveland conversion
					kit 199-64); 320D s/n all (Only for use
					with Cleveland conversion kit 199-64);
					320E s/n all (Only for use with Cleveland
					conversion kit 199-64); 320F s/n all
	,				(Only for use with Cleveland conversion kit 199-64); 340 s/n all (Only for use with
					Cleveland conversion kit 199-72); 340A
					s/n all (Only for use with Cleveland
					conversion kit 199-72); 401 s/n all (Only
					for use with Cleveland conversion kit
					199-72 or 199-76); 401A s/n all (Only for
					use with Cleveland conversion kit 199-72
					or 199-76); 401B s/n all (Only for use with Cleveland conversion kit 199-72 or
					199-76); 402 s/n all (Only for use with
					Cleveland conversion kit 199-72 or 199-
					76); 402A s/n all (Only for use with
					Cleveland conversion kit 199-72 or 199-
					76); 402B s/n all (Only for use with
					Cleveland conversion kit 199-72 or 199-
					76); 402C s/n all (Only for use with
					Cleveland conversion kit 199-76); 404 s/n all (Only for use with Cleveland
					conversion kit 199-78); 411 s/n all (Only
					for use with Cleveland conversion kit
					199-72); 411A s/n all (Only for use with
					Cleveland conversion kit 199-72); 414 s/n
					all (Only for use with Cleveland
					conversion kit 199-72); 414A s/n all
					(Only for use with Cleveland conversion kit 199-72); 421 s/n all (Only for use with
					Cleveland conversion kit 199-76); 421A
					s/n all (Only for use with Cleveland
					conversion kit 199-76); 421C s/n all
					(Only for use with Cleveland conversion
					kit 199-76); 441 s/n all (Only for use with
			End of I isting		Cleveland conversion kit 199-115);
NOTE.			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.

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

January 16, 2014

Date: