



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 Rev. 1
Dated: November 5, 2020

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Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Shim, Brake	APS68-01100	068-01100	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS68-01100 <u>Rev:</u> A <u>Date:</u> 7/8/20 or later FAA-approved revisions	Allied Ag Cat Productions, Inc.	G-164
				American Champion	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 Diamond	SR22 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
				Vulcanair S.p.A.	AP68TP-300

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				Pacific Aerospace Limited	FU24-954, FU24A-954
Shim, Brake	APS68-01600	068-01600	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS68-01600 <u>Rev:</u> A <u>Date:</u> 7/8/20 or later FAA-approved revisions	Air Tractor, Inc. Thrush Aircraft, LLC 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

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Shim, Brake	APS68-01700	068-01700	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS68-01700 <u>Rev:</u> A <u>Date:</u> 7/8/20 or later FAA-approved revisions	Acrostar	PA-60-600, PA-60-601, PA-60-601P, PA-60-602P, PA-60-700P
				Textron Aviation Inc.	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
				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	H-250, H-295 (USAF U-10D), H-391 (USAF YL-24), H-395 (USAF L-28A or U-10B)
				Navion	Navion (L-17A), NavionA (L-17B), (L-17C), Navion B, Navion C, Navion D, Navion E, Navion F, Navion G, Navion H

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Shim, Brake	APS68-02700	068-02700	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS68-02700 <u>Rev:</u> A <u>Date:</u> 7/8/20 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	APS68-02800	068-02800	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS68-02800 <u>Rev:</u> A <u>Date:</u> 7/8/20 or later FAA-approved revisions	Textron Aviation Inc. Viking Air Limited Cougar Pacific Aerospace Limited Piper Aircraft, Inc. Daher 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
Shim, Brake	APS68-02900	068-02900	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS68-02900 <u>Rev:</u> A <u>Date:</u> 7/8/20 or later FAA-approved revisions	Textron Aviation Inc.	404, 425
Shim, Brake	APS68-03000	068-03000	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS68-03000 <u>Rev:</u> A <u>Date:</u> 7/8/20 or later FAA-approved revisions	Piper Aircraft, Inc.	PA-31, PA-31-300, PA-31-325, PA-31-350

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Shim, Brake	APS68-03100	068-03100	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS68-03100 <u>Rev:</u> A <u>Date:</u> 7/8/20 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-31T1
Shim, Brake	APS68-03300	068-03300	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS68-03300 <u>Rev:</u> A <u>Date:</u> 7/8/20 or later FAA-approved revisions	Twin Commander	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	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	APS68-03900	068-03900	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS68-03900 <u>Rev:</u> A <u>Date:</u> 7/8/20 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-A90-4 (RU-21E, RU-21H), B90, E90, H90 (T-44A)
				Piper Aircraft, Inc.	PA-31T2, PA-31T3 PA-42-720R
				M7 Aerospace LLC	SA26-T, SA26-AT

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Shim, Brake	APS68-04000	068-04000	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS68-04000 <u>Rev:</u> A <u>Date:</u> 7/8/20 or later FAA-approved revisions	Textron Aviation Inc.	441
Shim, Brake	APS68-04100	068-04100	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS68-04100 <u>Rev:</u> A <u>Date:</u> 7/8/20 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	APS68-04600	068-04600	Test and computations per 14 CFR § 21.303 <u>Dwg No:</u> APS68-04600 <u>Rev:</u> A <u>Date:</u> 7/8/20 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.

 August Asay
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 Neal R. Rice
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