



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

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

Project No. PQ3830CE

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of 14 CFR, Part 21(part 21), Subpart K, we have found that the design data submitted is adequate to substantiate approval based on Test and Computations, submitted by Aviation Products Systems, Inc., with 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, IL. 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,

  
David N. Surguy  
Aviation Safety Inspector

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

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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.

  
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 Gregory T. Benson

for  
 Manager  
 Kansas City - Manufacturing Inspection District Office