



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



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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

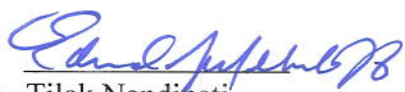
Lining	APS66-11100	Grove P/N: 66-111	Identicality per 14 CFR § 21.303 DWG No: APS66-11100 Rev – (N/C) Date: 10/23/1996 or later FAA-approved revisions	Sky International Inc.	A-1, A-1A, A-1B, A-1C-180, A-1C- 200 as modified by STC SA00637CH
				Cessna Aircraft Company	172, 172A, 172B, 172C, 172D, 172E, 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