



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Small Airplane Directorate  
Kansas City, Manufacturing Inspection  
District Office (MIDO)  
901 Locust Street, Room 376  
Kansas City, MO 64106-2641  
Tel: 816-329-4190 Fax: 816-329-4195

January 26, 2007

Roy Scott  
Quality Assurance Manager  
Aviation Products Systems, Inc.  
3701 Highway 162  
Granite City, IL 62040

Project No. PQ3830CE

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Per 14 CFR Part 21, Subpart K, we found design data submitted with your letter dated January 25, 2007, to meet the airworthiness requirements of the regulations for the products on which the parts are to be installed. We based our finding on Identity. Also, we determined that your company set up the fabrication inspection system at 3701 Highway 162, Granite City, Illinois as required by 14 CFR § 21.303(h). Therefore, we grant Parts Manufacturing Approval (PMA), which authorizes you to produce the replacement parts in the enclosed Supplement No 7.

We remind you that the provisions of 14 CFR, noted in our PMA letter of approval dated May 8, 2002, also apply to the enclosed PMA Listing-Supplement No. 7. Please keep the enclosed supplement with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

David N. Surguy,  
Aviation Safety Inspector  
Kansas City, Manufacturing Inspection  
District Office

Enclosure

**NOTE:** 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. If TC holder's ICA applies to these replacement parts, provide a statement noting such. If not provide supplementary ICA per 14CFR § 21.50.

*Michael M. Alberts*  
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Michael M. Alberts,  
7a Manager, Kansas City,  
Manufacturing Inspection District Office

*January 26, 2007*  
\_\_\_\_\_  
Date:

# FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Aviation Products Systems  
3701 Highway 162  
Granite City, Illinois 62040

PMA No: PQ3830CE  
Supplement No. 7  
Date: January 26, 2007

Part Name	Part Number	Approved Replacement For Part No.	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Brake Disc	APS164-00500	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-00500	Identity Per 14 CFR Part 21.303 Dwg No. APS164-00500 Rev. J Dated 10/25/01 or later FAA approved revisions	Cessna Aircraft Company  The New Piper Aircraft Inc.	150C  PA-28-160
Brake Disc	APS164-00900	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-00900	Identity Per 14 CFR Part 21.303 Dwg No. APS164-00900 Rev. J Dated 10/25/01 or later FAA approved revisions	Mooney Aircraft Corporation	M20D
Brake Disc	APS164-01501	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-01501	Identity Per 14 CFR Part 21.303 Dwg No. APS164-01501 Rev. J Dated 10/25/01 or later FAA approved revisions	Cessna Aircraft Company	180A thru 180H, 180J, 185, 185A, 185B, 185F, A185F, A188, A188A, 188A, 188B, U206E, U206F, TU206E, TU206F, P206, 206H, T206H, 207, 207A, T207, T207A, P210N, 210, 210A thru 210N, T210F, T210C, T210K thru T210N.
Brake Disc	APS164-01900	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-01900	Identity Per 14 CFR Part 21.303 Dwg No. APS164-01900 Rev. J Dated 10/25/01 or later FAA approved revisions	SOCATA – Groupe Aerospatiale  Wing Aircraft	235GT, 235CA  D-1 Derringer
Brake Disc	APS164-02201	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-02201	Identity Per 14 CFR Part 21.303 Dwg No. APS164-02201 Rev. J Dated 10/25/01 or later FAA approved revisions	The New Piper Aircraft, Inc.	PA-30
Brake Disc	APS164-02504	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-02504	Identity Per 14 CFR Part 21.303 Dwg No. APS164-02504 Rev. J Dated 10/25/01 or later FAA approved revisions	Raytheon Aircraft Company  Cessna Aircraft Company	E33A  337A(USAF O2B), 337B, T337B thru T337E, M337B(USAF O2A)

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis And Approved Design Data	Make Eligibility	Model Eligibility
Brake Disc	APS164-02601	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-02601	Identity Per 14 CFR Part 21.303 Dwg No. APS164-02601 Rev. J Dated 10/25/01 or later FAA approved revisions	SOCATA – Groupe Aerospatiale	100S, 150T, 150ST, 180T
				Cessna Aircraft Company	140A, A150K, 170A, 170B, 172A thru 172I, P172D, 175A thru 175C, 177A, 177B, 180A thru 180F, 182A thru 182G,
				Reims Aviation S.A.	F150H, F150J, F172F, F172G, F172H
Brake Disc	APS164-02706	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-02706	Identity Per 14 CFR Part 21.303 Dwg No. APS164-02706 Rev. J Dated 10/25/01 or later FAA approved revisions	Maule Aerospace Technology Inc.	M5 Series, M6 Series, M7 Series, MX7 Series, MT7 Series, MXT7 Series, M8 Series
				Raytheon Aircraft Company	A56TC, A45(T-34A, B45), D45(T-34B)
Brake Disc	APS164-02707	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-02707	Identity Per 14 CFR Part 21.303 Dwg No. APS164-02707 Rev. J Dated 10/25/01 or later FAA approved revisions	Sierra Hotel Aero Inc.	Navion A, B, D, E, F, G, H,
Brake Disc	APS164-03601	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-03601	Identity Per 14 CFR Part 21.303 Dwg No. APS164-03601 Rev. J Dated 10/25/01 or later FAA approved revisions	Cessna Aircraft Company	180A thru 180H, 180J, 180K, A185E, A185F, 185A, 185B, 185D, 185E, 206, P206, U206, U206F, U206G, TU206E thru TU206G, 207, 207A, T207, T207A.
				Maule Aerospace Technology Inc.	M5 Series, M6 Series, M7 Series, MX7 Series, MT7 Series, MXT7 Series, M8 Series



Part Name	Part Number	Approved Replacement For Part Number	Approval Basis And Approved Design Data	Make Eligibility	Model Eligibility
Brake Disc	APS164-04000	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-04000	Identity Per 14 CFR Part 21.303 Dwg No. APS164-04000 Rev. J Dated 10/25/01 or later FAA approved revisions	Cessna Aircraft Company	150, A150K, 150L, A150L, A150M, 152, A152, 172L, R172E thru R172H, R172J, R172K, 177A, 177B, 182N
				Reims Aviation S.A.	F150G, F150H, F150J, F150K, FA150K, F150L, FA150L, F150M, FRA150L, F172D thru F172H, F172K thru F172N, F172P, FR172E THRU FR172H, FR172J, FR172K, F177RG, F182P, F182Q
Brake Disc	APS164-04300	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-04300	Identity Per 14 CFR Part 21.303 Dwg No. APS164-04300 Rev. J Dated 10/25/01 or later FAA approved revisions	Raytheon Aircraft Company	19A, B19, M19A, 23, A23, A23A, B23, C23, A23-24, A24, A24R
Brake Disc	APS164-05006	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-05006	Identity Per 14 CFR Part 21.303 Dwg No. APS164-05006 Rev. J Dated 4/19/04 or later FAA approved revisions	AeroStar Aircraft Corp.	PA-60-601P, PA-60-700P
				Twin Commander	700
Brake Disc	APS164-06700	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-06700	Identity Per 14 CFR Part 21.303 Dwg No. APS164-06700 Rev. J Dated 10/25/01 or later FAA approved revisions	The New Piper Aircraft, Inc.	PA165, J3P, J4B, J4F, PA11S, J3-65S, J3C-40, J3C-50, J3C-65, (ARMY L-4D), J3F-65S, J3F-50, J3L, J3L-S, J3L-65S, J3L-65 (Army L-4C), J4, J4A, J5-A (Army L-4F), J5A-80, J5C, J5 Series, J4E (Army L-4E)
Brake Disc	APS164-30195	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-30195	Identity Per 14 CFR Part 21.303 Dwg No. APS164-30195 Rev. J Dated 10/25/01 or later FAA approved revisions	Cessna Aircraft Company	177
Brake Disc	APS164-30440	Parker Hannifin Corp. (formerly Cleveland Wheels & Brakes) P/N 164-30440	Identity Per 14 CFR Part 21.303 Dwg No. APS164-30440 Rev. J Dated 10/25/01 or later FAA approved revisions	Cessna Aircraft Company	182 Series, R172 Series, 150, A150 Series, 177

-----End of Listing-----

# FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Aviation Products Systems  
3701 Highway 162  
Granite City, Illinois 62040

PMA No: PQ3830CE  
Supplement No. 8  
Date: March 27, 2007

Part Name	Part Number	Approved Replacement For Part No.	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Lining-Brake	APS66-06200	Parker Hannifin Corp P/N 066-06200	Identicality Per 14 CFR Part 21.303 Dwg No. APS66-06200 Rev. B Dated 2/06/02 or later FAA approved revisions	Cirrus Design	Cirrus SR22
Lining-Brake	APS66-10500	Parker Hannifin Corp P/N 066-10500	Identicality Per 14 CFR Part 21.303 Dwg No. APS66-10500 Rev. C Dated 5/19/03 or later FAA approved revisions	Cirrus Design	Cirrus SR20
Rivet	APS105-00200	Parker Hannifin Corp P/N 105-00200	Identicality Per 14 CFR Part 21.303 Dwg No. APS105-00200 Rev. B Dated 2/14/02 or later FAA approved revisions	Cirrus Design	Cirrus SR20
Brake Disc	APS164-01501	Parker Hannifin Corp P/N 164-01501	Identicality Per 14 CFR Part 21.303 Dwg No. APS164-01501 Rev. J Dated 10/25/01 or later FAA approved revisions	Cirrus Design	Cirrus SR20
Brake Disc	APS164-02504	Parker Hannifin Corp P/N 164-02504	Identicality Per 14 CFR Part 21.303 Dwg No. APS164-02504 Rev. J Dated 10/25/01 or later FAA approved revisions	Cirrus Design	Cirrus SR22
Pin	APS177-00300	Parker Hannifin Corp. P/N 164-24400	Identicality Per 14 CFR Part 21.303 Dwg No. APS177-00300 Rev. A Dated 2/14/02 or later FAA approved revisions	Cirrus Design	Cirrus SR22

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