



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

Small Airplane Directorate
Kansas City, Manufacturing Inspection
District Office (MIDO)
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September 28, 2007

Ron Wilkinson
Aviation Products Systems, Inc.
3701 Hwy 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 letters dated February 19, 2007 to meet the airworthiness requirements of the regulations for the products on which the parts are to be installed. We based our findings on 1) Identicality and 2) Test and Computation, reference FAA letter dated September 21, 2007. Also, we determined that your company set up the fabrication inspection system at 3701 Hwy 162, Granite City, IL 62040, 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 PMA Supplement No 9.

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.9. Please keep the enclosed supplement with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

Jeff Dyleski
Aviation Safety Inspector
Kansas City Manufacturing Inspection District Office

Enclosure

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Aviation Products Systems, Inc
3701 Highway 162
Granite City, IL 62040

PMA No: PQ3830CE
Supplement No. 9
Date: September 28, 2007

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For Part NO.</u>	<u>Approval Basis and Approved Design Data</u>	<u>MAKE Eligibility:</u>	<u>MODEL Eligibility:</u>
Lining - Brake	APS66-10500	Parker Hannifin P/N 066-10500	Identity Per 14 CFR Part 21.303 <u>Drawing:</u> APS66-10500 <u>Rev:</u> C <u>Dated:</u> 5/19/03 or later FAA approved revisions	Diamond Aircraft	DA42
Lining - Brake	APS66-14100	Parker Hannifin P/N 066-14100	Test and Computations Per 14 CFR Part 21.303 <u>Drawing:</u> APS66-14100 <u>Rev:</u> - <u>Dated:</u> 2/21/06 or later FAA approved revisions	Diamond Aircraft	DA40
Rivet	APS105-00200	Parker Hannifin P/N 105-00200	Identity Per 14 CFR Part 21.303 <u>Drawing:</u> APS105-00200 <u>Rev:</u> B <u>Dated:</u> 2/14/02 or later FAA approved revisions	Diamond Aircraft	DA20, DA40, DA42
Brake Disc	APS164-01501	Parker Hannifin P/N 164-01501	Identity Per 14 CFR Part 21.303 <u>Drawing:</u> APS164-01501 <u>Rev:</u> J <u>Dated:</u> 10/25/01 or later FAA approved revisions	Diamond Aircraft	DA42
Brake Disc	APS164-21200	Parker Hannifin P/N 164-21200	Test and Computations Per 14 CFR Part 21.303 <u>Drawing:</u> APS164-21200 <u>Rev:</u> - <u>Dated:</u> 2/22/06 or later FAA approved revisions	Diamond Aircraft	DA42
Brake Disc	APS164-24200	Parker Hannifin P/N 164-24200	Test and Computations Per 14 CFR Part 21.303 <u>Drawing:</u> APS164-24200 <u>Rev:</u> - <u>Dated:</u> 2/21/06 or later FAA approved revisions	Diamond Aircraft	DA20
Brake Disc	APS164-24400	Parker Hannifin P/N 164-24400	Test and Computations Per 14 CFR Part 21.303 <u>Drawing:</u> APS164-24400 <u>Rev:</u> - <u>Dated:</u> 1/31/05 or later FAA approved revisions	Diamond Aircraft	DA40

*****End of Listing*****