

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number SA03674AT

This certificate issued to:

DER Services, Inc.
9509 Indian River Drive
Fort Pierce, Florida 34982

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of 14CFR and Part 23 of the Federal Aviation Regulations.

Original Product--Type Certificate Number: A47CE, Revision 9
Make: Diamond
Model: DA 40 (excludes DA 40F)

Description of Type Design Change:

This STC approves the installation of a Seamech International, R-134a coolant, air conditioner system in a Diamond DA 40-180 aircraft. This installation is in accordance with DER Services, Inc. Master Document List (MDL) report number 2006-020-1, Revision C, dated February 3, 2009, or later FAA approved revisions.

Limitations and Conditions

FAA-approved Airplane Flight Manual Supplement (AFMS), AFM2006-020-1, Initial Revision, dated February 27, 2009, is a required document for operation of this modification. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any other previously approved modifications will produce no adverse effect upon the airworthiness of that airplane. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: March 5, 2007

Date reissued:

Date of issuance: March 12, 2009

Date amended:



By direction of the Administrator

(Signature)

Melvin D. Taylor
Manager, ACE-115A
Atlanta Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

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Supplemental Type Certificate
(Continuation Sheet)

(STC number SA03674AT)

FAA approved Instructions for Continued Airworthiness (ICA), dated April 9, 2008, or later FAA approved revision is a required part of this STC number SA03674AT.

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for parts changed or affected by the change since the reference date of application, March 5, 2007, is based upon part 23 as amended by Amendment 23-45, and are determined to be the following:

Regulations at the latest amendment 14 CFR, Part 23, Amendment 23-45

§§ 23.603	§§ 23.605	§§ 23.613	§§ 23.1301	§§23.1309	§§ 23.1357	§§ 23.1529
(a)(b)(c)	(a)	(a)(b)(c)	(a)(b)(c)(d)	(a)(b)	(a)(b)(c)(d)(e)	
§§ 23.1557	§§23.1365	§§ 23.1367				
(a)(b)(c)	(a)-(f)	(a)(b)(c)(d)				