

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

*Number* SA02005NY

*This certificate issued to* SMR Technologies, Inc.  
A B/E Aerospace Company  
93 Nettie Fenwick Rd.  
Fenwick, WV 26202-4000

*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 Part 25 of the Federal Aviation Regulations.*

*Original Product - Type Certificate Number* : \* \*See attached FAA Approved Model List (AML) No. SA02005NY for a list of approved airplane models and applicable airworthiness regulations.  
*Make* : \*  
*Model* : \*

*Description of Type Design Change:*

Installation of SMR Technologies pneumatic de-icer models in accordance with installation instructions on SMR Technologies Drawing List as listed on AML No. SA02005NY dated February 3, 2006.

*Limitations and Conditions :*

1. The Maintenance Instructions for Continued Airworthiness contained in SMR Technologies Installation and Maintenance Manual, Rev. 8, dated November 5, 2004, is required with this modification.
2. Approval for installation of replacement parts for existing Goodrich Type 23 boots must be made in left and right pairs on wings or tail.

(See Continuation Sheet 2)

*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* : February 6, 2004

*Date reissued* :

*Date of issuance* : October 6, 2004

*Date amended* : February 3, 2006



*By direction of the Administrator*

*[Handwritten Signature]*  
\_\_\_\_\_  
(Signature)

*for* Anthony Socias  
Manager  
New York Aircraft Certification Office

\_\_\_\_\_  
(Title)

United States of America  
Department of Transportation -- Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* SA02005NY  
Date of Amendment: February 3, 2006

*Limitations and Conditions* (Continued).

3. A copy of this certificate and the FAA Approved Model List (AML) No. SA02005NY, amended February 3, 2006, or later FAA approved revisions, must be maintained as part of the permanent records for the modified aircraft.
4. Compatibility of this design change with previously approved modifications must be determined by the installer.
5. 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.

...END...

**FAA APPROVED MODEL LIST (AML) NO. SA02005NY  
SMR TECHNOLOGIES, INC.  
FOR  
INSTALLATION OF PNEUMATIC DE-ICERS**

Issue Date: October 6, 2004, Amended February 3, 2006

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL & TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	INSTALLATION INSTRUCTIONS		PART NUMBER	REPLACEMENT FOR GOODRICH PART NUMBER	AFMS	AML AMENDMENT DATE
				NO.	Revision & Date				
1	TWIN COMMANDER	500, 520, 560, 560A, 680, 680E TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-1-1	23S-2015-1-1	04-33-046, Rev IR, dated October 5, 2004	
2	TWIN COMMANDER	680, 680E, 720 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-1-1	23S-2015-1-1	04-33-046, Rev IR, dated October 5, 2004	
3	TWIN COMMANDER	500, 520, 560, 560A, 680, 680E TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-1-2	23S-2015-1-2	04-33-046, Rev IR, dated October 5, 2004	
4	TWIN COMMANDER	680, 680E, 720 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-1-2	23S-2015-1-2	04-33-046, Rev IR, dated October 5, 2004	
5	TWIN COMMANDER	520, 560, 560A TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-2-1	23S2015-2-1	04-33-046, Rev IR, dated October 5, 2004	
6	TWIN COMMANDER	680, 680T, 680V, 680W, 681 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-2-1	23S-2015-2-1	04-33-046, Rev IR, dated October 5, 2004	
7	TWIN COMMANDER	520, 560, 560A TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-2-2	23S-2015-2-2	04-33-046, Rev IR, dated October 5, 2004	
8	TWIN COMMANDER	680, 680T, 680V, 680W, 681 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-2-2	23S-2015-2-2	04-33-046, Rev IR, dated October 5, 2004	
9	TWIN COMMANDER	500, 500A, 500B, 500S, 500U, 520, 560, 560A TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-3-1	23S-2015-3-1	04-33-046, Rev IR, dated October 5, 2004	
10	TWIN COMMANDER	560F, 680, 680E, 680F, 720 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-3-1	23S-2015-3-1	04-33-046, Rev IR, dated October 5, 2004	
11	TWIN COMMANDER	500, 500A, 500B, 500S, 500U, 520, 560, 560A TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-3-2	23S-2015-3-2	04-33-046, Rev IR, dated October 5, 2004	
12	TWIN COMMANDER	560F, 680, 680E, 680F, 720 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-3-2	23S-2015-3-2	04-33-046, Rev IR, dated October 5, 2004	
13	TWIN COMMANDER	500, 520, 560, 560A TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-5-1	23S-2015-5-1	04-33-046, Rev IR, dated October 5, 2004	
14	TWIN COMMANDER	680, 680E, 720 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-5-1	23S-2015-5-1	04-33-046, Rev IR, dated October 5, 2004	
15	TWIN COMMANDER	520, 560, 560A TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-6-1	23S-2015-6-1	04-33-046, Rev IR, dated October 5, 2004	

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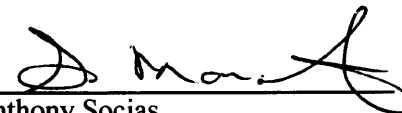
ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL & TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	INSTALLATION INSTRUCTIONS		PART NUMBER	REPLACEMENT FOR GOODRICH PART NUMBER	AFMS	AML AMENDMENT DATE
				N0.	Revision & Date				
16	TWIN COMMANDER	680, 680T, 680V, 680W, 681 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-6-1	23S-2015-6-1	04-33-046, Rev IR, dated October 5, 2004	
17	TWIN COMMANDER	500, 500A, 500B, 500S, 500U, 560, 560A TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-7-1	23S-2015-7-1	04-33-046, Rev IR, dated October 5, 2004	
18	TWIN COMMANDER	560F, 680, 680E, 680F, 680F(P), 680FL, 680FL(P), 680T, 680V, 680W, 681, 720 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-7-1	23S-2015-7-1	04-33-046, Rev IR, dated October 5, 2004	
19	TWIN COMMANDER	500, 500A, 500B, 500S, 500U, 560 TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-8-1	23S-2015-8-1	04-33-046, Rev IR, dated October 5, 2004	
20	TWIN COMMANDER	720 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-8-1	23S-2015-8-1	04-33-046, Rev IR, dated October 5, 2004	
21	TWIN COMMANDER	500, 500A, 500B, 500S, 500U, 560 TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-9-1	23S-2015-9-1	04-33-046, Rev IR, dated October 5, 2004	
22	TWIN COMMANDER	720 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-9-1	23S-2015-9-1	04-33-046, Rev IR, dated October 5, 2004	
23	TWIN COMMANDER	500, 500A, 500B, 500S, 500U, 560 TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-9-2	23S-2015-9-2	04-33-046, Rev IR, dated October 5, 2004	
24	TWIN COMMANDER	720 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-9-2	23S-2015-9-2	04-33-046, Rev IR, dated October 5, 2004	
25	TWIN COMMANDER	500A, 500B, 500S, 500U TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-12-1	23S-2015-12-1	04-33-046, Rev IR, dated October 5, 2004	
26	TWIN COMMANDER	560F, 680F, 680F(P), 680FL, 680FL(P), 680T, 680V, 680W, 681 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-12-1	23S-2015-12-1	04-33-046, Rev IR, dated October 5, 2004	
27	TWIN COMMANDER	500A, 500B, 500S, 500U TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-12-2	23S-2015-12-2	04-33-046, Rev IR, dated October 5, 2004	
28	TWIN COMMANDER	560F, 680F, 680F(P), 680FL, 680FL(P), 680T, 680V, 680W, 681 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-12-2	23S2015-12-2	04-33-046, Rev IR, dated October 5, 2004	
29	TWIN COMMANDER	500A, 500B, 500S, 500U TC# 6A1	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-13-1	23S-2015-13-1	04-33-046, Rev IR, dated October 5, 2004	

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				NO.	Revision & Date				
30	TWIN COMMANDER	560F, 680F, 680F(P), 680FL, 680FL(P), 680T, 680V, 680W, 681 TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-13-1	23S-2015-13-1	04-33-046, Rev 1, dated October 5, 2004	
31	TWIN COMMANDER	680FL, 680FL(P) TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-14-1	23S-2015-14-1	04-33-046, Rev 1, dated October 5, 2004	February 3, 2006
32	TWIN COMMANDER	680FL, 680FL(P) TC# 2A4	CAR 3	MDL-0045	Rev. D, dated August 29, 2005	SMR2015-14-2	23S-2015-14-2	04-33-046, Rev 1, dated October 5, 2004	February 3, 2006

FAA Approved:



for Anthony Socias,  
Manager, New York Aircraft Certification Office

Amendment Date: February 3, 2006