

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

*Number* SA00857CH

*This certificate issued to* McCauley Propeller Systems  
7751 East Pawnee  
Wichita, KS 67207

*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 23 of the Federal Aviation Regulations. See Aircraft Specification No. A20SO for complete certification basis.*

*Original Product - Type Certificate Number :* A20SO  
*Make :* Piper  
*Model :* PA-31, PA-31-325, PA-31-350

*Description of Type Design Change:*

Installation of McCauley Propeller Model B3DF36C526/80HJA-0 and B3DF36C527/L80HJA-0, spinner assembly and optional de-ice in accordance with McCauley Technical Report No. 790, no revision, dated February 16, 1998, and McCauley Drawing No. D-60105, no revision, dated March 24, 1998, or later FAA approved revisions.

*Limitations and Conditions:*

1. Compatibility of this design change with previously approved modifications must be determined by the installer.

(See continuation sheet 3 of 3)

*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 27, 1998

*Date reissued :* September 23, 2005

*Date of issuance :* April 14, 1998

*Date amended :*



*By direction of the Administrator*

*[Handwritten Signature]*  
\_\_\_\_\_  
(Signature)  
Thaddeus D. Krolicki, Jr.  
Manager, Propulsion Branch  
Chicago Aircraft Certification Office

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

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

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

*Number* SA00857CH

Date of Issuance: April 14, 1998  
 Reissued: September 23, 2005

*Limitations and Conditions* (Continued):

2. FAA Approved Airplane Flight Manual Supplement for the Piper Aircraft Model PA-31, Technical Report Number 784, dated April 14, 1998, or later FAA approved revisions, is required.
3. FAA Approved Airplane Flight Manual Supplement for the Piper Aircraft Model PA-31-325 and PA-31-350, Technical Report Number 785, dated April 14, 1998, or later FAA approved revisions, is required.
4. The Lycoming engine models and Piper aircraft models eligible with the McCauley propeller models are as shown:

<u>Aircraft Model</u>	<u>Propeller Model</u>	<u>Engine Model</u>	<u>Maximum Continuous</u>	
			<u>HP</u>	<u>RPM</u>
PA-31	B3DF36C526/80HJA-0	TIO-540-A1A, -A1B, -A2A, -A2B, -A2C	310	2575
PA-31-325	B3DF36C526/80HJA-0 (left)	TIO-540-F2BD (left)	325	2575
	B3DF36C527/L80HJA-0 (right)	LTIO-540-F2BD (right)	325	2575
PA-31-350	B3DF36C526/80HJA-0 (left)	TIO-540-J2B, -J2BD (left)	350	2575
	B3DF36C527/L80HJA-0 (right)	LTIO-540-J2B, -J2BD (right)	350	2575

5. Aircraft specification limits are the same as listed on Aircraft Specification No. A20SO except as listed in McCauley Technical Report Numbers 784 and 785.
6. 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...

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