

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

*Number* SA7633SW-D

*This Certificate issued to* RAM Aircraft, Limited Partnership  
7505 Karl May Drive  
Waco, TX 76708

*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 3 of the Civil Air Regulations.*

*Original Product Type Certificate Number :* A7CE  
*Make :* Cessna  
*Model :* 414A

*Description of Type Design Change:* Installation of Teledyne Continental Motors TSIOL-550-A "Liquid-Cooled" engines in accordance with RAM Drawing No. 1315, Rev. B, dated July 25, 1989 or RAM Drawing No. 1315, Rev.D, dated April 4, 1990, or later FAA approved revision.

*Limitations and Conditions:*

- RAM Winglets must be installed in accordance with STC SA4943SW-D.
- Airplane Flight Manual Supplement 1031 dated August 10, 1989, is required and must accompany this modification, except as noted below.

(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 :* December 07, 1987

*Date reissued :* October 08, 2001; February 07, 2008;  
August 29, 2008

*Date of issuance :* August 10, 1989

*Date amended :* 11/22/89; 04/27/90; 10/04/95; 01/19/96;  
03/29/96 Rev. 5



*By direction of the Administrator*

ORIGINAL SIGNED BY TERRY BOWDEN

(Signature)

Terry L. Bowden  
DAS administrator      DAS-700100-SW  
RAM Aircraft LP      Waco, Texas

(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)

*Number* SA7633SW-D

Date of Issuance: August 10, 1989

Date Amended: March 29, 1996

Reissuance Date: August 29, 2008

*Limitations and Conditions* (Continued):

- Aircraft that are concurrently modified by this STC and the installation of the Robertson Hi-Lift System in accordance with STC SA892NM requires RAM Airplane Flight Manual Supplement 1081, dated March 29, 1996.

The installer must determine whether this design change is compatible with previously approved modifications. 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.