

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

Number SA900NW

This certificate issued to:

AVCON Industries, Inc
714 N. Oliver Road
Newton, KS 67114-9444

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: A10CE

Make: Learjet, Inc

Model: 25, 25A, 25B, 25C, 25D, and 25F

Description of Type Design Change: Installation of the Mark II performance system, including recontoured wing leading edge, recontoured flap leading edge, wing vortex generator removal, installation of wing stall strips and other minor refinements in accordance with Avcon Master Drawing List No. 1086 dated November 16, 2010, or later FAA approved revision. An FAA approved Airplane Flight Manual Supplement is required for each model.

Limitations and Conditions: 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 a product, the holder must give the other person written evidence of that permission. A copy of this Certificate and Addendum No. SA900NW shall be maintained as part of the permanent records for the modified aircraft.

(See Continuation Sheet 3 of 4)

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: July 15, 1979

Date reissued: 11/06/80; 12/01/99, 09/08/05;
06/03/10; 11/16/10

Date of issuance: March 03, 1980

Date amended: May 14, 2001; June 12, 2001



By direction of the Administrator

Original signed by Grant E. Youngdahl

(Signature)

Grant E. Youngdahl
Program Manager
Wichita Airplane 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)

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Supplemental Type Certificate
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Number SA900NW

Date of Issuance: March 03, 1980

Date Amended: June 12, 2001

Date Reissued: November 16, 2010

SUPPLEMENTAL TYPE CERTIFICATE NO. SA900NW

The limitations noted in Type Certificate Data Sheet No. A10CE are applicable except as follows:

Models 25, 25A, 25B, and 25C

V _a	(Maneuvering at 15,000 lbs)	
	Sea Level	202 KCAS
	45,000 ft	216 KCAS
V _{fe}	(Flaps Extended)	
	Landing	150 KCAS
	Flaps 20°	200 KCAS
	Flaps 10°	250 KCAS
V _{mo}	(Maximum Operating)	
	25 and 25A with G.L.C. ECR 1513	
	25B and 25C with G.L.C. ECR 1511	
S.L.	to 14,000 ft.	300 KCAS
	14,000 ft to 23,900 ft	350 KCAS
M _{mo}	(Maximum Operating)	
	Above 23,900 ft (AFC/SS' Operating)	0.81M
	Above 23,900 ft (AFC/SS Inoperative)	0.77M
	Stabilizer Travel Limits	
	Upper Limit	-0° 52' to -1° 8'
	Lower Limit	-8° 30' to -9° 00'

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(Continuation Sheet)

Number SA900NW

Date of Issuance: March 03, 1980

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Models 25D and 25F

V _a	(Maneuvering at 15,000 lbs)	
	Sea Level	182 KCAS
	45,000 ft	195 KCAS
V _{mo}	(Maximum Operating)	
	S.L. to 14,000 ft.	300 KCAS
	14,000 ft to 23,900 ft	350 KCAS
M _{mo}	(Maximum Operating)	
	Above 23,900 ft AFC/SS Operating	0.81M
	Above 23,900 ft AFC/SS Inoperative	0.77M
V _{fe}	(Flaps Extended)	
	Landing	150 KCAS
	Flaps 20°	200 KCAS
	Flaps 10°	250 KCAS
	Stabilizer Travel Limits	
	Upper Limit	-0° 52' to -1° 8'
	Lower Limit	-8° 30' to -9° 00'

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