

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

Number SA00244WI-D ✓

This certificate issued to Honeywell International Inc.
23500 W. 105th Street
Olathe, KS 66061

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 and additional requirements as specified in TCDS 2A3.

Original Product - Type Certificate Number: 2A3
Make: Mooney
Model: M20C

Description of Type Design Change:

Installation of the Bendix/King KLN 89 GPS (Global Positioning System) Navigation Receiver for VFR operations; installation of the KLN 89B GPS Navigation Receiver for IFR enroute and non-precision approach operations.

REQUIRED DATA: 1. Master Drawing List 159-08139-0001, Rev. 4, dated 5-15-95 and 2. For the KLN 89B only, Airplane Flight Manual Supplement 006-00839-0000, Rev. 0, dated 6-23-95. Later FAA approved revisions to the above listed data are incorporated without further revision to this Supplemental Type Certificate.

Limitations and Conditions:

1. The KLN 89 GPS NAV is limited to use for visual flight rules operation only. A placard stating this limitation is required to be affixed to the instrument panel.

(Continued on Continuation Sheet)

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: 3-30-95

Date reissued: 11-4-98; 2-28-00

Date of issuance: 6-23-95

Date amended:



By direction of the Administrator

FOR


Chris Durkin
DAS Coordinator, DAS-500863-CE

(Signature)

(Title)

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(Continuation Sheet)

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Limitations and Conditions: (continued)

2. This approval should not be extended to other specific airplanes of this model on which other previously approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that airplane.
3. The KLN 89 and 89B GPS have been evaluated as a navigation input source for the KFC 150 Series Automatic Flight Control System and found to be compatible; the interface of these systems is approved.
4. Additional equipment required for the specific type of operation must be installed and operational prior to use the KLN 89B under Instrument Flight Rules (IFR).
5. The Shadin Fuel Air Data Computer has been evaluated as a fuel flow, temperature, and altitude input source for the KLN 89 and KLN 89B GPS and found to be compatible.