

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

Number SA697SW

This certificate, issued to

J. W. Miller Aviation, Inc.
C. E. Oberholtzer—President
HSB Box 7757
Marble Falls, Texas 78654

*certifies that the change in the type design for the following product with the limitations and conditions
therefor as specified herein meets the airworthiness requirements of Part 3 of the Civil Air
Regulations.*

Original Product—Type Certificate Number: 1A10

Make: Piper

Model: PA-23, PA-23-160, PA-23-235, PA-23-250

Description of Type Design Change:

Installation of one-piece windshield in accordance with J. W. Miller Aviation
Drawing List No. 9000 dated 9/21/66, or later FAA approved revision.

Limitations and Conditions:

Compatibility of this modification with other previously approved modifications
must be determined by the installer.

*This certificate and the supporting data which is the basis for approval shall remain in effect until
revoked, suspended, or a termination date is otherwise established by the Administrator of the*

Federal Aviation Administration

Date of application: September 22, 1966

Date of issuance: September 29, 1966

Date received: 7/1/68; 2/16/70; 3/14/83
Revision 3

Date amended:

By direction of the Administrator

for Don P. Watson
Manager, Aircraft Certification Division
Southwest Region

(Title)





Autopilots Central, Inc.

Hangar 23, Tulsa International Airport - Tulsa, OK 74115
P.O. Box 582108 - Tulsa, OK 74158
(918)836-6418 - Fax (918)832-0136
FAA CRS CM2R747K
Invoice

Work Order: AV04-01158
Acct Number: (817)401-1617
Department: Autopilot

Opened: 6/7/2004
Closed: 6/11/2004

Sold To: Robert W Petrie
7217 Charlene Ct.
Azle, TX 76020-4381

Aircraft Number:	N6644Y	Type:	PIPER PA 23-250 AZTE	S/N:	27-3958		
Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1							

Discrepancy: 1

Problem:

Altimatic III, complete autopilot tune up.

Action Taken:

Ground test - Removed A/H, D.G., radio coupler, controller, alt. hold, roll servo, pitch servo, trim sensor, relay box, computer and trim servo for bench test.

Discrepancy: 2

Problem:

1C388 Radio Coupler S/N P2173E
Bench test.

Action Taken:

Bench check found units serial number below 6000, unit would cost more than an exchange. Exchanged for unit S/N P-18799G.

Discrepancy: 3

Problem:

KT76A Transponder P/N 066-1062-00 S/N 70888
Bench test.

Action Taken:

Ident. stuck on. Found photocell recessed with leads severely bent. Ident switch would intermittently bind up in photocell and not release. Straightened photocell leads and refitted cell to faceplate. Ident function now ok. Bench test found pulse width too narrow. Adjusted pulse width to mfgs. specifications.

Discrepancy: 4

Problem:

1D396 Console S/N 1299B
Bench test.

Action Taken:

Bench check found all switches need cleaned and regreased, trim meter caps need changed. Replaced trim meter capacitors C1 and C2. Cleaned and regreased mode engage switches. Bench tested to specs IAW Edo Manual 68S371.

Discrepancy: 5

Problem:

1C508-1-184P Pitch Servo S/N 017
Bench test.

Action Taken:

Bench check found servo ran in plane, but would not run on bench. Remove direction switch. Replace hex connector. Suggest O/H, cable and clamps. Overhauled and certified per APC-2 Manual.

Discrepancy: 13**Problem:**

1C515 Computer S/N 3011.
Bench test.

Action Taken:

Bench check found computer has 395 board, should be 1C515-1.
Exchanged unit 1C515-1 for S/N 2531B.

Discrepancy: 14**Problem:**

Reinstall components.

Action Taken:

Installed all autopilot components, set trim tension/safety wire. Closed up aircraft for test flight.

Discrepancy: 15**Problem:**

Test fly and calibrate autopilot.

Action Taken:

Test flew and calibrated autopilot. System test flew good.

Discrepancy: 16**Problem:**

Close aircraft.

Action Taken:

Reinstalled radio coupler after test flight. Reinstalled interior and ramp tested autopilot after all interior and radio coupler was installed, system ramp checks good.

Miscellaneous Charges:**Totals:**

Misc Supplies: \$ 69.47

SubTotal:	\$	7,524.42
OK Sales Tax:	\$	315.82
Total Charges:	\$	7,840.24

The articles and/or work hereon described is/are certified
airworthy, (unless otherwise specified).

Autopilots Central, Inc.
FAA CRS CM2R747K

Authorized Signature

