



AVIONICS MAINTENANCE RECORDS

(including transponder biennial checks)

Log No. _____

Aircraft Registration No. N114DP

Aircraft Manufacturer Commander

Model 114TC

Serial No. 20027

EQUIPMENT LISTING

List all installed avionics, autopilot and flight director equipment.

Mfg.	Model	Serial No.
1. KING	KC-225	<u>1317 1531 (MAR 2001)</u>
2. KING GARMIN-AI (GI275)	KI-256 010-02326-20	<u>23024 5MZ 201110 (APR 2021)</u>
3. KING	KS-270C	<u>2704 4211 (JUL 2019)</u>
4. KING	KS-271C	<u>4047 3477 (AUG 2020)</u>
5. KING	KS-271C	<u>3993</u>
6. KING	KM-275	<u>46013</u>
7. KING	KM-275	<u>46011</u>
8. KING (DME)	KN-64	<u>30960</u>
9. KING GARMIN	KT-766 GTX 345 & GA35	<u>8943 3EG420671 (AUG 2018)</u>
10. KING GARMIN-HSI (GI-275)	KA-525A 010-02326-20	<u>88969 5MZ 102434 (APR 2021)</u>
11. KING (#2 LOC/VOR INDICATOR)	KI-209	<u>75539</u>
12. KING GARMIN-GMU-11	KMT-112 011-04349-01	<u>58124 56J 022932 (APR 2021)</u>
13. KING	KA-51B-	<u>29346</u>
14. KING	KG-102A	<u>44418</u>
15. ELECTRIC GYRO ^(TURN COORDINATOR)	<u>1394T100-7Z-1394T100-7BB</u>	<u>9808-83 B24-12032 (MAR 2024)</u>
16. ELT	ELT-200	<u>E03561 - (Nov., 2001)</u>
17. INSIGHT	603-6-114TC	<u>10524</u>
18. UNITED INSTR. (VSI)	7000	<u>281106</u>
19. B F GOODRICH	WX-500	<u>JCP9801848</u>
20. KGS ELECTRONICS	SPC-5 (DC/AC INVERTER)	<u>H99028</u>
21. S-TEC	0106-Y10	<u>3993</u>
22. KING	KS-272C	<u>2353 1671 (JUL 2019)</u>
23. KING (#2 NAV/COM)	KX-155A	<u>13025</u>
24. GARMIN	GNS 430W & GA35	<u>96251347 96304036 (OCT. 2018)</u>
25. GARMIN	GMA340 GMA345	<u>96251347 3Z 0006695 (AUG. 2019)</u>



P.O. BOX 6005/FREEHOLD, N.J. 07728
(908) 462-5330

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. x 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16	
TOL. ± FT.	20	20	20	20	25	30	30	35	40	40	60	80	90	100	90	110	
ACTUAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FRICTION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TEST ALT. x 1000 FT.	18	20	22	25	30	35	40	45	50	BARO. SCALE ERROR (TOL. ± 25 FT.)							
TOL. ± FT.	120	130	140	155	180	205	230	255	280	28.10	28.50	29.00	29.50	29.92	30.50	30.90	30.99
ACTUAL	70	130	140	155	180	205	230	255	280	1725	1340	865	395	0	530	890	925
FRICTION	70	130	140	155	180	205	230	255	280	1725	1340	865	395	0	530	890	925
HYSTERESIS (TOL. ± 75 FT.): MAX.										50% MAX.		40% MAX.		AFTER EFFECT (TOL. 30 FT.):		CASE LEAK:	

ALTIMETER MAKE:

Garmin

BLIND ENCODER MAKE:

TRANSPONDER MAKE:

MODEL

G1275

MODEL

MODEL

S/N

SMZ102434

S/N

S/N

CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 25000 FT. TO COMPLY WITH FAR 91.411

CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.

CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM PER FAR 43, APP. E (c) TO COMPLY WITH FAR 91.411.

CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

Date: 3/28/23

Tach/Hobbs: 1078.8

W.O. 513304

Signed: [Signature]

WAUKESHA COUNTY AIRPORT / CRITES FIELD

WAUKESHA, WI 53188

FAA NO. NC5D062N



Waukesha County Airport / Crites Field

2441 Aviation Drive

Waukesha, WI 53188

(800) 443-4490

FAA# NC5D062N

AIRCRAFT LOG ENTRY

DESCRIPTION OF WORK DONE:

N# 114DP

Removed Insight #5 CHT Probe P/N 2852 from aircraft. Installed new Insight #5 CHT Probe P/N 2852 into cylinder. All work was done and tested in accordance with applicable parts of AC 43.13 1B/2B and manufacturer's install/service manuals. ---END---

Date: 06/02/2023

Hobbs: 1104.3

W.O.# 513378

Signed: [Signature]

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the above work order number.



Waukesha County Airport / Crites Field

2441 Aviation Drive

Waukesha, WI 53188

(800) 443-4490

FAA# NC5D062N

AIRCRAFT LOG ENTRY

DESCRIPTION OF WORK DONE:

N# 114DP

Removed Insight #5 EGT Probe P/N 2870 from aircraft. Installed customer supplied Insight EGT Probe P/N 2870 into aircraft. All work was done and tested in accordance with applicable parts of AC 43.13 1B/2B and manufacturer's install/service manuals. ---END---

Date: 06/08/2023

Hobbs: 1104.3

W.O.# 513378

Signed: [Signature]

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the above work order number.

Skycom Form C (Rev. 0) 2-06



Waukesha County Airport / Crites Field

2441 Aviation Drive

Waukesha, WI 53188

(800) 443-4490

FAA# NC5D062N

AIRCRAFT LOG ENTRY

DESCRIPTION OF WORK DONE:

N# 114DP

Removed Mid-Continent Turn Coordinator (P/N 1394T100-7Z) S/N 9808083 from aircraft. Installed Mid-Continent Turn Coordinator (P/N 1394T100-7BB) S/N B24-12032 into aircraft. All work was done and tested in accordance with applicable parts of AC 43.13 1B/2B and manufacturer's install/service manuals. ---END---

Date: 03/18/2024

Hobbs: 1228.0

W.O.# 513695

Signed: [Signature]

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the above work order number.



Waukesha County Airport / Crites Field
2441 Aviation Drive
Waukesha, WI 53188
(800) 443-4490
FAA# NC5D062N

Page No. 17

AIRCRAFT LOG ENTRY

DESCRIPTION OF WORK DONE:

N# 114DP

Updated Garmin GI-275 Attitude Indicator S/N 5MZ201110 and Garmin GI-275 HSI S/N 5MZ102434 main software from version 2.60 to current version 3.20 in accordance with Garmin SB24044 Rev. B, dated July 31, 2024. Supplied customer with updated AFMS P/N 190-02246-12 Rev. 12, dated May 1, 2024, and updated ICA.

Updated Garmin GTX-345 ADS-B Transponder S/N 3EG420671 main software from version 2.80 to current version 2.85 and ADS-B software from version 3.40 to current version 3.51 in accordance with Garmin SB24042 Rev. B, dated November 11, 2024. Supplied customer with updated AFMS P/N 190-00734-15 Rev. 6, dated May 31, 2024, updated ICA.

Performed Battery Calibration on Garmin GI-275 Attitude Indicator S/N 5MZ201110 and Garmin GI-275 HSI S/N 5MZ102434 in accordance with Garmin GI-275 Maintenance Manual P/N 190-02246-11 Rev. 9, dated May 16, 2024.

During Certification, found Encoder off +145 feet at +25,000 feet; Calibrated Encoder in accordance with Garmin Install Manual P/N 190-00734-10 Rev. 17, dated May 30, 2024. Completed Altimeter, Static, Transponder, Encoder certification (see Altimeter, Static, Transponder, Encoder Certificate for full certification). All work was done and tested in accordance with applicable parts of AC 43.13 1B/2B and manufacturer's install/service manuals. ---END---

Date: 03-03-25 Hobbs: 1342.6 W.O.# 514153 Signed: [Signature]

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the above work order number.



Waukesha County Airport / Crites Field
2441 Aviation Drive
Waukesha, WI 53188
(262) 521-8180
FAA# NC5D062N

AIRCRAFT LOG ENTRY

DESCRIPTION OF WORK DONE:

N# 114DP

Connected RTI to the aircraft and downloaded the fault log. Found no failures and Autopilot System passed self-test. Checked operation of all buttons including Yaw Damper and found okay. Accessed analog inputs and found yaw rate data was missing. Also found the INV 2 breaker was out. Monitored the rate Gyro, re-engaged INV 2, and found Gyro spun up and Yaw Damper engaged as it should. Evaluated further and found breaker for inverter blown.

Removed customer Mid-Continent MD26-28 Inverter S/N 1917 from aircraft and installed Serviceable Used Mid-Continent MD26-28 Inverter S/N J20483 into aircraft.

Removed old Garmin GTP-59 OAT Probe (P/N 011-00978-00) S/N 47956777 from aircraft and installed new Garmin GTP-59 OAT Probe (P/N 011-00978-00) S/N 47995302 into aircraft. Tested on the ground and found probe to respond to ambient temperature changes and was reading accurately.

Tested and found to meet MPS in accordance with current manufacturer information. All work was done and tested in accordance with applicable parts of AC 43.13 1B/2B and manufacturer's install/service manuals. ---END---

Date: 11-14-25 Hobbs: 1422.3 W.O.# 514451 Signed: [Signature]

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the above work order number.



Waukesha County Airport / Crites Field
2441 Aviation Drive
Waukesha, WI 53188
(262) 521-8180
FAA# NC5D062N

AIRCRAFT LOG ENTRY

DESCRIPTION OF WORK DONE:

N# 114DP

Updated Garmin GI-275 Attitude Indicator S/N 5MZ201110 and GI-275 HSI S/N 5MZ102434 main software from version 3.20 to current version 3.44 in accordance with Garmin SB26026 Rev. A, dated March 4, 2026. Supplied customer with updated AFMS P/N 190-02246-12 Rev. 13, dated June 13, 2025, and updated ICA.

All work was done and tested in accordance with applicable parts of AC 43.13 1B/2B and manufacturer's install/service manuals. ---END---

Date: 03-12-26 Hobbs: 1461.8 W.O.# 514545 Signed: [Signature]

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the above work order number.

(262) 521-8180

STANDBY
HSI

SKYCOM AVIONICS, INC.

N # 114DP

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. x 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20	25	30	30	35	70	40	60	80	80	90	100	110
ACTUAL	5	5	5	5	5	5	5	5	5	10	10	10	15	15	0	15
FRICION																
TEST ALT. x 1000 FT.	18	20	22	25	30	35	40	45	50	BARO. SCALE ERROR (TOL. ± 25 FT.)						
TOL. ± FT.	120	130	140	155	180	205	230	255	280	28.10	28.50	29.00	29.50	29.92	30.50	30.90
ACTUAL	15	20	25	30	35	40	45	50	55	1730	1345	865	395	0	+530	+890
FRICION																
HYSTERESIS (TOL. ± 75 FT.): MAX.	50%				40%				AFTER EFFECT (TOL. 30 FT.):				CASE LEAK:			
	0				0				OK				OK			

ALTIMETER MAKE: Garmin

BLIND ENCODER MAKE: _____

TRANSPONDER MAKE: _____

MODEL GI 275

MODEL _____

MODEL _____

S/N SMZ102434

S/N _____

S/N _____

CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 25,000 FT. TO COMPLY WITH FAR 91.411

CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.

CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM PER FAR 43, APP. E (c) TO COMPLY WITH FAR 91.411.

CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

Date: 3-3-25 Tech/Hobb: 1342.6 W.O. 514153 Signed _____

WAUKESHA COUNTY AIRPORT / CRITES FIELD

WAUKESHA, WI 53188

FAA NO. NC5D062N

(262) 521-8180

STANDBY
ATT

SKYCOM AVIONICS, INC.

N # 114DP

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. x 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20	25	30	30	35	70	40	60	80	80	90	100	110
ACTUAL	10	10	10	10	10	10	10	15	0	15	15	15	20	20	0	25
FRICION																
TEST ALT. x 1000 FT.	18	20	22	25	30	35	40	45	50	BARO. SCALE ERROR (TOL. ± 25 FT.)						
TOL. ± FT.	120	130	140	155	180	205	230	255	280	28.10	28.50	29.00	29.50	29.92	30.50	30.90
ACTUAL	25	30	30	35	40	45	50	55	60	1735	1345	870	400	0	+525	+885
FRICION																
HYSTERESIS (TOL. ± 75 FT.): MAX.	50%				40%				AFTER EFFECT (TOL. 30 FT.):				CASE LEAK:			
	0				0				OK				OK			

ALTIMETER MAKE: Garmin

BLIND ENCODER MAKE: _____

TRANSPONDER MAKE: _____

MODEL GI 275

MODEL _____

MODEL _____

S/N SMZ201110

S/N _____

S/N _____

CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 25,000 FT. TO COMPLY WITH FAR 91.411

CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.

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Date: 3-3-25 Tech/Hobb: 1342.6 W.O. 514153 Signed _____

WAUKESHA COUNTY AIRPORT / CRITES FIELD

WAUKESHA, WI 53188

FAA NO. NC5D062N

(262) 521-8180

PRIMARY

SKYCOM AVIONICS, INC.

N # 114DP

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. x 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20	25	30	30	35	70	40	60	80	80	90	100	110
ACTUAL	20	20	20	20	25	30	30	35	70	40	60	80	80	90	100	110
FRICION																
TEST ALT. x 1000 FT.	18	20	22	25	30	35	40	45	50	BARO. SCALE ERROR (TOL. ± 25 FT.)						
TOL. ± FT.	120	130	140	155	180	205	230	255	280	28.10	28.50	29.00	29.50	29.92	30.50	30.90
ACTUAL	120	130	140	155	180	205	230	255	280	1740	1365	870	415	0	+510	+875
FRICION																
HYSTERESIS (TOL. ± 75 FT.): MAX.	50%				40%				AFTER EFFECT (TOL. 30 FT.):				CASE LEAK:			
	+30				+20				OK				OK			

ALTIMETER MAKE: United InstrumentsMODEL 5934PB-P57S/N 30626BLIND ENCODER MAKE: GarminMODEL GAHE-12S/N 3T6007304TRANSPONDER MAKE: GarminMODEL GTX 345S/N 3EG420671CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 25,000 FT. TO COMPLY WITH FAR 91.411.

CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.

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Date: 3-3-25 Tech/Hobb: 1342.6 W.O. 514153 Signed _____

WAUKESHA COUNTY AIRPORT / CRITES FIELD

WAUKESHA, WI 53188

FAA NO. NC5D062N