


**Airborne**

**Air Filter Change Reminder**

Changed at: 1586 Hrs. Next Change: \_\_\_\_\_ Hrs.

5-13-99 Date



DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

**INSPECTION REMINDER**

The next inspection of this aircraft is required by Federal Aviation Regulation

Section: \_\_\_\_\_

Hours in Service: \_\_\_\_\_

OR

Date due: 6-1-00

FAA FORM 8900-1 (4-78)  
FORMERLY FAA FORM 8320-2

The Standard

 **AIRCRAFT LOG**

ASA-SA-1

AIRCRAFT RECORD — GENERAL INFORMATION

MANUFACTURER CESSNA MODEL 182H SERIAL 18256167

REGISTRATION NUMBER N2067X DATE MFG. 1965

ENGINE(S) CURRENTLY INSTALLED.  
MFG CONTINENTAL MODEL O-470-R SERIAL 131153-5-R-4

MFG \_\_\_\_\_ MODEL \_\_\_\_\_ SERIAL \_\_\_\_\_

PROPELLER(S) CURRENTLY INSTALLED.  
MFG M<sup>c</sup>CAULEY MODEL 2A34C66P

HUB MODEL 2A34C66P SERIAL 851618 SERIAL \_\_\_\_\_

BLADE MODEL \_\_\_\_\_ SERIAL FF185YS SERIAL FF204YS SERIAL \_\_\_\_\_

BLADE MODEL \_\_\_\_\_ SERIAL \_\_\_\_\_ SERIAL \_\_\_\_\_ SERIAL \_\_\_\_\_

The Standard



AIRCRAFT LOG

# Berkshire Instrument Overhaul

1490 Airport Road  
Montrose, CO 81401

No 19727

FAA REPAIR STATION VV5R289N

INSTRUMENT CLASS 1-2-3-4

1. CUSTOMER BRAND 10000 AIRCRAFT
2. INSTRUMENT ATT GYRO Van
3. MFG. PSM AUTO METER
4. PART NO. 5206C
5. SERIAL NO. 125A
6. RECEIVED \_\_\_\_\_
7. DUE \_\_\_\_\_

8. WORK TO BE PERFORMED:  
 OVERHAUL  
 REPAIR  
 FUNCTIONAL TEST  
 COMMENTS/DISCREPANCY  
Original Unit  
Not seen since 1940  
Do you have this unit??  
30+ years old PSM Condition

9. INSPECTION RESULTS:  
PRELIMINARY AP

INSPECTOR SIGNATURE

TEARDOWN Made loose by  
Jan, Air only Tol.

FINAL \_\_\_\_\_

PARTS USED  
QTY. PN

2 screws  
2 fasteners  
1 fastener

READING	ERROR	READING	ERROR
CLEAN/REPAIR	OK	SCORSBY TEST	OK
ROTOR	/	SETTLING	/
TAILSHAFT ASSY		PITCH 180	
GIMBAL ASSY		AIR/VAC	
VANES			
SEALS		<u>A/P manual tape 50000</u>	
PITCH BAR ASSY		<u>N - 1/2</u>	
		<u>L 1/3</u>	
		<u>R 1/3</u>	

Hyst. N/A Friction OK Leakage OK

Cal. Spec N/A Equip. Used SCORSBY, JIGS

Pub. Used MFG. REPAIRMAN \_\_\_\_\_

INSPECTOR \_\_\_\_\_ Completed Date 5/2/99

OVERHAUL     
  REPAIR     
  FUNCTIONAL TEST

The Aircraft Appliance identified above was overhauled, repaired, or functional tested as per block above in accordance with current Federal Aviation Administration Regulations and is approved for return to service. Details for this component are on file at this agency under work order number above.

1-800-443-0083

970-240-9606

**BERKSHIRE INSTRUMENT OVERHAUL**

1490 Airport Road  
Montrose, CO 81401  
FAA REPAIR STATION VV5R289N

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CLASS 1 - 2 - 3 - 4

**Serviceable Part Tag**

Customer BRANDER Aviation

**Pacific Southwest Instruments**

1672 Railroad St.  
Corona, CA 91720  
(714) 737-0790  
FAA Repair Station No. KD3R627L  
Class 1 - 2 - 3 - 4

**Serviceable Part Tag**

CUSTOMER BLACK HILLS AVIATION

**Pacific Southwest Instruments**

1672 Railroad St.  
Corona, CA 91720  
(714) 737-0790  
FAA Repair Station No. KD3R627L  
Class 1 - 2 - 3 - 4

**Serviceable Part Tag**

CUSTOMER BLACK HILLS AVIATION

**MAINTENANCE RELEASE**

NOMENCLATURE 3" Air Gun in Air-Part  
SERIAL NO. 135A PART/MODEL NO. 52066  
 OVERHAUL  REPAIR  FUNC. TEST

The Aircraft Appliance identified above was overhauled, repaired, or func. tested as per block in accordance with current Federal Aviation Administration Regulations and is approved for return to service. Details of this component are on file at this agency under work order

no. 19727  
Date 5-3-55  
Authorized Signature [Signature]

**MAINTENANCE RELEASE**

COMPONENT Directional gyro PART/MODEL NO.: 52054  
SERIAL NO. 1163229

Overhaul  Repair  Functional Test  
The Aircraft Appliance identified above was overhauled, repaired, or functional tested as per block above in accordance with current Federal Aviation Administration Regulations and is approved for return to service. Details of this component are on file at this agency under work order no. 5333C

Date 12-3-52  
Authorized Signature [Signature]

**MAINTENANCE RELEASE**

COMPONENT Amalgam gyro  
SERIAL NO. 498538A PART/MODEL NO.: 52066

Overhaul  Repair  Functional Test  
The Aircraft Appliance identified above was overhauled, repaired, or functional tested as per block above in accordance with current Federal Aviation Administration Regulations and is approved for return to service. Details of this component are on file at this agency under work order no. 53351

Date 12-3-52  
Authorized Signature [Signature]

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
7-27-72			1457.9	C/W AD 83-13-01 FUEL CAPS BY INSPECTION -
				C/W AD 87-20-03 R2 BY INSPECTION - INST. NEW CENTRAL INSTR.
				VACUUM FILTER P/N D9-14-5 - INSPECTED PROPELLER, FOUND NO RED DYE
				ON HUB, ADDED 4 OZ. 15W-50 AERO SHELL OIL TO HUB INSP. PER PARA F OF
				AD 91-15-04
				certify that this aircraft has been inspected in accordance
				with ANNUAL inspection and was determined to be
				in airworthy condition. Total time: 1457.9 TACH 1457.9
				E.D. Bardi PIA315614
8/4/82			1466.71	Install Attitude Gyro Model # 52066 S/N X98548N
				& Directional Gyro Model # 52054 S/N A16222G TAW
				FAR 91.413 Non Order 55336 & 53951
				Warren L. Cheney Cert # 2506462 (C1LR838C)

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10-22-93	1506.8		1506.8	REPLACED P/N 0770728-1 DIODE ON BATT. CONTACTOR - INSTALLED NEW CONCORD CD-35 BATTERY - ADJUSTED AUTO TRIM TO OBTAIN FULL UP TRAVEL - CLEANED & PACKED WHEEL BEARINGS - INSTALLED NEW R/L BRAKE LININGS - REPLACED CARB. HEAT DUCT - REPAIRED CARB. HT. DUCT FLANGE ON CARB. AIR BOX BY HELI-WELD - C/WAD 91-15-04 McCAULEY PROP. BY INSP. PER PARA (F) C/WAD 76-07-12 BENDIX IGN. SW. BY INSPECTION - C/WAD 87-20-03 R/L SEATS & RAILS BY INSPECTION
				I certify that this aircraft has been inspected in accordance
				with ANNUAL inspection and was determined to be
				in airworthy condition. Total time: 1506.8 TACH 1506.8
				E. W. Brandiger IA315614

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				ATC TRANSPONDER TESTS REQUIRED BY FAR 91.217 AND F/ 1
				91.413 WERE PERFORMED AND COMPLY WITH FAR 43.APP.F. 4
				MODEL <u>KT 76750</u> SN <u>16300</u>
				ENC. MODEL <u>AT 3020</u> SN <u>010821</u>
				DETAILS ON THIS INSPECTION ON FILE UNDER THIS REPAIR
				STATION ON W/O <u>11-22-93-1</u>
				<u>Dennis S. Hume</u> <u>11/22/93</u>
				SIGNATURE DATE
				CERTIFICATE NO. <u>6501462</u> GRS NO. <u>GR 9380</u>





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4-28-94	1520.8		1520.8	INSTALLED NEW CONDOR CB-35 BATTERY SIN
	2045.78			REPAIRED CABIN HEAT SHROUD - CLEANED BATT. BOX - TIGHTENED VAC. REGULATOR ON FIREWALL E.D. BRANDIGEN 315614 AEP
3-7-95				INSTALLED & BALANCED NEW CONDOR 8.00X6.6P TIRES R/L MAIN CLEANED & PACKED WHEEL BEARINGS - CHECKED WHEEL ALIGNMENT - INSTALLED NEW #2334-3 CYL. HD. TEMP. PROBE - LW AD 91-15-04 PARA(8) BY INSP. ON PROP. INST. NEW INDUCTION AIR FILTER BA8103-1 REPLACED COWL FLAP HINGES - INST. (4) NEW PIN31-01 WING STRUT FAIRINGS & PAINTED WITH IMRON - AIRCRAFT WEIGHED & NEW WEIGHT & BALANCE FORM COMPLETED - CLEANED LEFT FUEL TANK DRAIN VALVE - ADDED (2) SHIM AT LWR. N16 TORQUE LINK BOLT

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3-7-95				<p>I certify that this aircraft has been inspected in accordance with <u>ANNUAL</u> inspection and was determined to be in airworthy condition. Total time: <u>1544.5</u> TACH <u>1544.5</u> <i>E.D. Brandiger IA315614</i></p>
8-2-76	15500			<p>REPLACED FWD LEFT CYL. BAFFLE SEAL - SERVICED NOSE STRUT WITH NITROGEN - CHECKED PROP HUB OIL LEVEL - SERVICED &amp; CHARGED BATTERY I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. TACH. TIME <u>1550.0</u> TOTAL TIME: <u>1550.0</u> <i>E.D. Brandiger IA315614</i></p>
8-8-96				<p>I CERTIFY THAT THE FLT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF FAR SECTION 91.207 AND FOUND TO BE IN SATISFACTORY CONDITION. <i>E.D. Brandiger IA315614</i></p>

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8-8-96	1550.0		1550.0	INSTALLED NEW GILL TELEDYNE BATTERY P/N G-35 SINGO1653174 E.D. Brandiger 315614A&P
10-13-97	1567.8		1567.8	C/W AD 96-18-22 CESSNA OIL FILER ADAPTER BY INSPECTION - C/W AD 97-01-13 CESSNA HOSE INSPECTION, BY INSP- ECTION, NO 951-10 HOSE ASSY ARE INSTALLED - C/W 87-20-03 R2 BEATS & RAILS BY INSPECTION - CHECKED PROP HUB OIL LEVEL - SERVICED NOSE STRUT WITH NITROGEN - REPLACED LEFT INSTR. STATIC AIR SUMP 9-1858-1 REPLACED CENTRAL GYRO AIR FILTER - CHARGED & SERVICED BATTERY TREATED A/N AILERON CONTROL RODS WITH LPS 3 - LUBRICATED FLAP & AILERON CONTROL ROD BEARINGS

12

10  
7

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10-13-97				I CERTIFY THAT THIS <del>AIRCRAFT</del> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. TACH. TIME <u>1567.8</u> TOTAL TIME: <u>1567.8</u>
10-13-97				I CERTIFY THAT THE ELT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF FAR SECTION 91.207 AND FOUND TO BE IN SATISFACTORY CONDITION. <span style="float: right;">E.D. Blandiger IA315614</span>
10/16/97				ATC TRANSPONDER TESTS REQUIRED BY FAR 91.413 WERE PERFORMED AND COMPLY WITH FAR 43 APP F KING MODEL KT 76 S/N 16300. ED'S FLYING SERVICE CRS # GEXR 453 E BY Edward J. Jewell 211 7652 RAD # INSTR

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10-29-97	1568.05		1568.05	INSTALLED NEW PIN \$2334-3 CYLINDER TEMP. PROBE, OPERATION NORMAL. INSTALLED NEW PIN \$1090-4 PILOT'S CONTROL SHAFT GROMMET E.R. Blomquist 315614 AEP
7-30-98	1575.68		1568.68	INSTALLED NEW VACUUM HOSE 306-6, PUMP TO VAC REGULATOR, REGULATOR TO ATTITUDE GYRO, ATT. GYRO TO DIRECTIONAL GYRO - ADJUSTED REG. TO 5.4 IN THE GAGE READING USING CALIBRATED TEST GAGE. - AIRED TIRES - ADDED WATER TO BATTERY E.R. Blomquist 315614 AEP

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5-13-99	1586.35	C/WAD96-12	22, AD87-20-03R2, AD83-13-01, AD76-07-12 BY	
		INSPECTION		SERVICED & CHARGED BATTERY - ATTITUDE
		INDICATOR		OVERHAULED BY BERKSHIRE INSTRUMENT
		OVERHAUL	W.O. 19797, 5-3-99	INSTALLED ATT. QY20,
		OPERATION		NORMAL - CLEANED & PACKED NOSE, MAIN WHEEL BEARINGS
		CLEANED R/L		BRAKE CALIPER - REPLACED R FUEL CAP GASKET -
		LUBED ALL R/D		END BEARINGS IN WINGS - FABRICATED, PRESS CHECK,
		& INSTALLED		HOSE, FUEL STRAINER TO CARBURETOR USING 303-B
		BRAIDED HOSE		- REPLACED D9-14-5 CENTRA GYRO FILTER
				I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN
				ACCORDANCE WITH ANNUAL INSPECTION AND WAS
				DETERMINED TO BE IN AIRWORTHY CONDITION.
				TACH. TIME 1586.35 TOTAL TIME: 1586.35

*E.W. Brandiger* 1A315614

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5-13-99	1586,35			INSTALLED NEW R/L FWD. ENGINE SHOCK MOUNTS P/N 94110-40 E.A. Blandy 315614 A-FP
5-17-99	1586,35			INSTALLED NEW BRIDGES ELT BATT. REPL. DUE JUN 01
				I CERTIFY THAT THE ELT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF FAR SECTION 91.207 AND FOUND TO BE IN SATISFACTORY CONDITION. E.A. Blandy 315614
12-30-99				INSTALLED ALTITUDE DIGITIZER AT3000 S/N 9240013 ADDED JUMPER WIRE P/N 8-14 OPS CHECK SATISFACTORY Edward J. Duvall 360242181 A-FP



**DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS**  
 ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF  
 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
19			

<b>FAR 91.413</b>			
THE ATC TRANSPONDERS AND INSPECTIONS AS REQUIRED BY FAR 91.413 WERE PERFORMED THIS DATE AND FOUND TO COMPLY WITH PART 43 APPENDIX F, AND APPENDIX E PARAGRAPH C.			
TRANSPONDER #1	MAKE: <i>KING</i>	MODEL: <i>KT-78</i>	S/N: <i>16200</i>
TRANSPONDER #2 <i>N-A</i>	MAKE: <i>-</i>	MODEL: <i>-</i>	S/N: <i>-</i>
DATE <i>11-08-02</i>	W/O <i>110502</i>	INSPECTOR <i>Edward J. Proella</i>	
ED'S FLYING SERVICE, INC.			
FAA APPROVED REPAIR STATION # GRXR453E			