N2702L

1981 Cessna 414A Ram IV

Airframe Logbook #2 of 2 2012 - 2022

Aircraft S/N: 414A-0608



Prepared by the worldwide aviation specialists at RidgeAire, Inc.



AIRFRAME MAINTENANCE RECORDS

Registration No. <u>N-2702L</u>

Serial No. <u>414A.0608</u>



AIRFRAME MAINTENANCE RECORDS

Log No.	
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Aircraft Reg	istration No <i>N</i> &	7022
Model	414A	(RAMIV)
Serial No	414A-060	78

Date 3/5/2012 N2702L 414A-0608 Hobbs 4546.0 Total time 4539.3 Inspected aircraft in accordance with Cessna 414A Maintenance Manual inspection check list and FAR 43 APPDX- D. Removed all inspection panels and serviced all pulleys, hinge points and lubed aircraft per manual chart. Lubed and checked all control surfaces. Replaced Rudder Bolts and Nuts, Bolts, P/N AN4-11 Nuts, P/N MS17826-4 Replaced Bolts & Nuts in L&R Elevators. Bolts, P/N AN4-11, Nuts P/N MS17826-4 Replaced Elevator Trim Actuator Bolts and Nuts, Bolts, P/N NAS6203-8, Nuts, P/N MS17826-3 Replaced Rudder Trim Actuator bolts and Nuts, Bolts, P/N NAS464P4-8, Nuts, P/N MS17826-4 Installed new Instrument air filter P/N AM1034351A Installed (2) vacuum regulator filters P/N AN6235-2A Jacked, inspected and operated landing gear. Replaced both hydraulic filters, Facet P/N 572760. Installed New Flight Custom III 650 x10, 8 ply main tires and tubes. Installed New Flight Custom III 600 x 6, 6 ply nose tire and tube. Packed wheel bearings. Lubed complete gear, operation functions check ok. Serviced system with 5606 hydro oil. Replaced Left and Right Brake assembly O rings, P/N 101-23200, inspected brakes and bled system, function test system, no leaks and operation tested ok. Replaced both Fuel Cap O rings with P/N MS29513-232 C/W AD 2004-25-01 Fuel Reg valve. No defects detected. C/W AD 2004-21-05 Heater decay test, Heater passed and operation checks good. PCW AD 95-09-13 Fuel Inlet Float Valve. Next functional test due Hobbs 4659.4 C/W AD 05-20-25 does not apply due to installed P/N W31-X1000-50/date code 0603 Removed Emergency Landing Gear extension bottle and Oxygen bottle for hydrostatic test. Reinstalled and serviced Gear Nitrogen bottle with nitrogen to 2000 PSI. Filled Oxygen bottle with Aviators Oxygen to 1800 PSI, No leaks detected. Blow down bottle Hydro next due 1/2017 Oxygen Bottle Hydro next due 1/2015 ELT battery replaced with P/N BP1020, tested and inspected, next due, 2/2014 Pilots Operating Handbook, Complied latest revision per Cessna (2) P/N D1594-2-13PH AD's checked for compliance to date. I certify that this airframe has been inspected in accordance with an annual inspection and determined to be in airworthy condition. Cert# AP1643753A1 SUB-TOTALS this page TOTALS—Carry forward to next page

Page No. TOTAL TIME SINCE TACH OR DESCRIPTION OF WORK PERFORMED-DATE SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK SERVICE OVERHAUL Sam's Aircraft Maintenance 935 Caudle St., Springdale, AR 72764 Phone: 479-751-7443 Fax 479-751-7543 FAA CRS NO.: QSWR719X N2702L S/N: 414A0608 DATE: 03-07-2012 I certify that the altimeter and static system tests required by 14 CFR § 91.411 and transponder tests; including data correspondence, required by § 91.413; have been performed and found to comply with 14 CFR-part 43, appendix E and E. Altimeter/Encoder Model: EA-801A Serial No.: 3554 Altimeter Model: C661014101 Serial No. 4A433 Serial No.: 36648 Encoder Model: D120-P2-T Transponder Model 42260-1028 Serial No.: 1278 The pilots altimeter/encoder was tested to 35,000 feet The co-pilots altimeter/encoder was tested to 30,000 feet Tom L. Leverich FAA CRS# QSWR719X Date 3/8/2012 N2702L, S# 414A-0608 Hobbs 4547.5 Total Time 4540.8 Universal Aviation LLC Installed complete carpet in above referenced aircraft. Carpet was furnished by Aircraft Interior products of Wichita, KS. Painted pilot and co-pilot side panels and door entry plastic to match. Carpet description - Essence II, (New Steel Blue) MAINTENANCE RECORD

Date:	July 2, 2013	Page 1 of 1 Pages	Reg. No.;	N2702L
Aircraft:	Cessna 414A	Serial#: 414A0608	HM:	4719.8

The below listed items were accomplished in accordance with Cessna 414A Aircraft Maintenance Manual and other approved or acceptable data as applicable. Work order discrepancy numbers are shown in brackets [], followed, in bold, directly by AD notes and SB's.

Work Order 061301329:

[2700] Installed lea new Bose Aviation headset jack P/N 323172-0010 in left headset jack panel and 1/2 amp circuit breaker to pilot's circuit breaker panel. Installed 1ea new Bose Aviation headset jack P/N 323172-0010 in right headset jack panel and ½ amp circuit breaker to copilot's circuit breaker panel. All work performed in reference to Bose Installation Instruction AM323160 Rev. 01 and AC43.13-1B, Chapters 11 and 12.

I certify that the above listed items have been completed, and with regard to the above items, that this AIRCRAFT

				C				
has	been	app	roved	tor	return	to	service.	

Signed Central Flying Service, Inc

1501 Bond Street, Little Rock, AR 72202

Larry W. Bellairs Phone: (501) 375-3245, (800) 888-5387 CRS No. HBKR587E FAX (501) 975-9596 Page No.

Wings Avionics, Inc. 421 Ernest Lancaster Dr. Fayetteville, AR 72701 W1NR1050 LOG ID# 3180 15-October-2012 W0# 5563 REF# 5563 HOBBS 4588.4 N2702L S/N 414A0608 CESSNA 414A

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DATI

DISCREPANCY: REMOVE EQUIPMENT FOR AVIONICS EQUIPMENT ****

DISCREPANCY: REMOVE EQUIPMENT FOR AVIONICS UPGRADE.

Model: SEE C/A PART#: SEE C/A Serial#: N/A

ACTION: REMOVED A BENDIX ART161A RADAR RECEIVER/TRANSMITTER (R/T) UNIT, A BENDIX IN152A RADAR

ACTION: REMOVED A BENDIX ART161A RADAR RECEIVER/TRANSMITTER (R/T) UNIT, A BENDIX IN152A RADAR

INDICATOR (IND), AN AIRCRAFT RADIO CORPORATION (ARC) 1000 SERIES REMOTE COMMUNICATION (COMM)

INDICATOR (IND), AN ARC C-1038A PANEL MOUNTED COMM CONTROL UNIT, AN ARC 1000 SERIES REMOTE

TRANSCEIVER (XCVR), AN ARC C-1038A PANEL MOUNTED COMM CONTROL UNIT, AN ARC

MOUNTED NAVIGATION (NAV) RECEIVER (REC), AN ARC C-1048A PANEL MOUNTED NAV CONTROL UNIT, AN ARC

MOUNTED NAVIGATION (NAV) RECEIVER (REC), AN ARC RAS78A PANEL MOUNTED ARA NAVIGATION (RNAV)

R-1043A REMOTE MOUNTED GLIDE SLOPE (G/S) REC, AN ARC RAS78A PANEL MOUNTED ARA CC876A DME IND, AN

COMPUTER, AN ARC 800 SERIES DISTANCE MEASURING EQUIPMENT (DME) R/T UNIT, AN ARC C876A DME IND, AN

COMPUTER, AN ARC 800 SERIES DISTANCE MEASURING EQUIPMENT (DME) R/T UNIT, AN ARC C876A DME IND, AN

COMPUTER, AN ARC 800 SERIES DISTANCE MEASURING EQUIPMENT (DME) R/T UNIT, AN ARC UPDATED

ARC C1046A AUTOMATIC DIRECTION FINDER (ADF) CONTROL UNIT, AND A KING KT96 FLIGHT PHONE. UPDATED

WEIGHT AND BALANCE RECORDS AND REVISED EQUIPMENT LIST FOR REMOVED EQUIPMENT. FOR MORE INFORMATION

SEE FAA FORM 337 DATED 10-12-2012.

**** ITEM # 5563-2 RELOCATE EXISTING GARMIN GNS430 ****

DISCREPANCY: RELOCATE THE EXISTING GNS430 TO THE SECONDARY POSITION IN THE PRIMARY RADIO STACK, AND DISCREPANCY: RELOCATE THE EXISTING GNS430 TO THE SECONDARY NAV INDICATOR. REMOVE THE EXISTING RG59 GPS COAXIAL CABLE INTERFACE TO THE EXISTING SECONDARY NAV INDICATOR. REMOVE THE EXISTING RG59 GPS COAXIAL CABLE ASSEMBLY PRESENTLY INTERFACED TO THE GNS430 GPS INPUT, AND REPLACE WITH A RG400 COAXIAL CABLE ASSEMBLY. INSTALL A NAV ANTENNA DIPLEXER AND INTERFACE TO THE GNS430 TO PROVIDE VOR, LOC, AND GLIDE SLOPE RECEIVER INPUTS.

MODEL: GNS430 PART#: 011-00280-10 Serial#: 9710343

ASSEMBLY. INSTALL A NAV ANIENNA DIPLEMENT AND INTERNAL PART NUMBER (P/N) ACTION: RELOCATED THE EXISTING PRIMARY GARMIN GNS430 GLOBAL NAVIGATION SYSTEM, PART NUMBER (P/N) ACTION: RELOCATED THE EXISTING PRIMARY RADIO 011-00280-10, SERIAL NUMBER (S/N) 97103643, TO THE SECONDARY NAV/COMM POSITION IN THE PRIMARY RADIO STACK VACATED BY THE PREVIOUSLY REMOVED ARC 1000 SERIES NAV/COMM PANEL MOUNTED CONTROL UNITS. INSTALLATION COMPLETED IN ACCORDANCE WITH THE GARMIN 400 SERIES INSTALLATION MANUAL, P/N

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190-00140-02, REVISION (REV) T, DATED JUNE 17, 2010; AC 43.13-2B, PARAGRAPHS 201, 202, AND 203; AC 43.13-1B CHANGE 1, PARAGRAPHS 11-30, 11-31, 11-32, 11-47, 11-48, 11-66, 11-76, 11-77, 11-89, AND 11-96; AND MEETS THE REQUIREMENTS OF AC 20-138. THE GNS430 IS MANUFACTURED UNDER TSO C129, CLASS A1, AND WAS ORIGINALLY APPROVED FOR INSTALLATION UNDER STC NUMBER SA00705WI, DATED OCTOBER 2, 1998, WITH AN AMMENDED DATE OF JULY 25, 2002. THE GNS430 WAS INTERFACED TO THE EXISTING COMM ANTENNA (ANT) SYSTEM, THE EXISTING GAS6 GLOBAL POSITIONING SYSTEM (GPS) ANT WITH A REPLACMENT COAXIAL CABLE ASSEMBLY, THE EXISTING ARC IN1049A NAV IND FOR COURSE DEVIATION INDICATOR (CDI) DISPLAY, THE SECONDARY NAV INPUTS OF THE EXISTING ARC 800B INTEGRATED FLIGHT CONTROL SYSTEM, AND THE SECONDARY NAV/COMM AUDIO INPUTS OF THE EXISTING ARC 1000 SERIES AUDIO PANEL.

THE COMANT CISOS NAV ANT DIPLEXER, NO S/N, WAS INSTALLED BEHIND THE COPILOT INSTRUMENT PANEL, AND INTERFACED TO THE EXISTING NAV ANT SYSTEM TO PROVIDE NAV AND GLIDE SLOPE RECEIVER SIGNAL INPUTS TO THE RELOCATED GNS430. INSTALLATION COMPLETED IN ACCORDANCE WITH AC 43.13-2B, CHAPTER 3; AND RAMP TESTED PER AC 43.13-1B CHANGE 1, PARAGRAPHS 12-11 AND 12-14.

A GARMIN GNS430 PILOT'S GUIDE, P/N 190-00140-00, REV J; A GNS430 QUICK REFERENCE GUIDE, P/N 190-00140-01, REV C; A 400/500 SERIES DISPLAY INTERFACES PILOT'S GUIDE ADDENDUM, P/N 190-00140-10, REV D; AND A 400/500 SERIES OPTIONAL DISPLAYS PILOT'S GUIDE ADDENDUM, P/N 190-00140-13, REV D; WERE PLACED IN THE AIRCRAFT RECORDS. A FAA APPROVED FLIGHT MANUAL SUPPLEMENT (FMS) DATED 10-12-2012 WAS PLACED IN THE AIRCRAFT RECORDS.

UPON COMPLETION OF A FLIGHT TEST EVALUATION IN ACCORDANCE WITH ADVISORY CIRCULAR AC20-138, PARAGRAPH 8c(2), AND AN AIRCRAFT LOGBOOK ENTRY MADE BY AN APPROPRIATELY RATED PILOT, THE PLACARD STATING "GNS430 LIMITED TO VFR USE ONLY" MAY BE REMOVED FROM THE PILOT INSTRUMENT PANEL.

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THE MAXIMUM CONTINUOUS ELECTRICAL LOAD DOES NOT EXCEED 80% OF TOTAL RATED CAPACITY PER AC 43.13-1B, PARAGRAPH 11-33. POST-INSTALLATION GROUND CHECKS WERE PERFORMED IN ACCORDANCE WITH THE MANUFACTURER INSTALLATION MANUALS AND FOUND TO OPERATE PROPERLY. WEIGHT AND BALANCE RECORDS AND EQUIPMENT LIST REVISED. AN OPERATIONAL FLIGHT TEST MUST BE PERFORMED BY AN APPROPRIATELY RATED PILOT WITH AT LEAST A PRIVATE PILOT CERTIFICATE AND ENTERED INTO THE AIRCRAFT RECORDS TO COMPLY WITH THE REQUIREMENTS OF FAR 91.407(b).

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ARE ATTACHED AS ADDITIONAL SHEETS FOLLOWING BLOCK 8 OF THE FAA FORM 337 DATED 10-15-2012, AND ARE NOW PART OF THE AIRCRAFT'S INSPECTION AND MAINTENANCE REQUIREMENTS.

**** ITEM # 5563-3 INSTALL GA35 GPS ANT AND RG400 COAX ****

DISCREPANCY: INSTALL A GARMIN GA35 GPS/WAAS ANT ON THE TOP FUSELAGE LOCATION USING DER APPROVED DATA, AND INTERFACE TO THE GNS430W USING A FABRICATED RG400 COAXIAL CABLE ASSEMBLY.

Model: GA35 Part#: 013-00235-00 Serial#: 87645

ACTION: THE GA35 GPS/WAAS ANT, PART NUMBER (P/N) 013-00235-00, SERIAL NUMBER (S/N) 87645, WAS INSTALLED AT FLIGHT STATION 149 USING GEORGIAN AEROSPACE GROUP LEFT HAND (LH) GA35 GPS ANT DOUBLER INSTALLATION DRAWING NUMBER 70G-316F276, REVISION IR, DATED 10-02-2012; ANT DOUBLER DETAIL DRAWING NUMBER 00G-316D001, REVISION IR, DATED 08-26-2004; WITH FAA FORM 8110-3, DATED OCTOBER 02, 2012. THE GA35 GPS/WAAS ANT WAS INTERFACED TO THE GNS430W GLOBAL NAVIGATION SYSTEM GPS INPUT USING A FABRICATED RG400 COAXIAL CABLE ASSEMBLY. WEIGHT AND BALANCE RECORDS AND EQUIPMENT LIST REVISED. POST-INSTALLATION GROUND CHECKS WERE PERFORMED IN ACCORDANCE WITH THE MANUFACTURER INSTALLATION MANUAL AND FOUND TO OPERATE PROPERLY. INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ARE ATTACHED AS

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DATE

ADDITIONAL SHEETS FOLLOWING BLOCK 8 OF THE FAA FORM 337 DATED 10-15-2012, AND ARE NOW PART OF THE AIRCRAFT'S INSPECTION AND MAINTENANCE REQUIREMENTS.

**** ITEM # 5563-4 INSTALL GARMIN GNS430W IN PRIMARY RACK ****
DISCREPANCY: INSTALL A FACTORY NEW GARMIN GNS430W IN THE PRIMARY RACK ASSEMBLY VACATED BY THE
PREVIOUSLY RELOCATED GNS430.

DISCREPANCY: INSTALL A FACTORY NEW GARMIN GNS430W IN THE PRIMARY RECEIVED HIS REPORT RECEIVED HIS REPORT OF THE PRIMARY RECEIVED HIS REPORT RECEIVED HIS RESIDENCE RESIDENCE RECEIVED HIS RESIDENCE RESIDENCE RECEIVED HIS RESIDENCE RESIDENCE RECEIVED HIS RESIDENCE RESIDEN

A GARMIN GNS400W SERIES PILOT'S GUIDE AND REFERENCE, P/N 190-00356-00, REVISION (REV) G; A GNS400W SERIES QUICK REFERENCE GUIDE, P/N 190-00356-01, REV F; A GARMIN 400W/500W SERIES OPTIONAL DISPLAYS PILOT'S GUIDE ADDENDUM, P/N 190-00356-30, REV H; AND A GARMIN 400W/500W SERIES DISPLAY INTERFACES PILOT'S GUIDE ADDENDUM, P/N 190-00356-31, REV D, WERE PLACED IN THE AIRCRAFT RECORDS. A FEDERAL AVIATION ADMINISTRATION (FAA) APPROVED GNS400W SERIES APPROVED FLIGHT MANUAL SUPPLEMENT (AFMS), P/N 190-00356-03, REV B, DATED JULY 31, 2009, WAS PLACED IN THE AIRCRAFT RECORDS.

THE MAXIMUM CONTINUOUS ELECTRICAL LOAD DOES NOT EXCEED 80% OF TOTAL RATED CAPACITY PER AC 43.13-18,

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PARAGRAPH 11-33. WEIGHT AND BALANCE RECORDS AND EQUIPMENT LIST REVISED. POST-INSTALLATION GROUND CHECKS WERE PERFORMED IN ACCORDANCE WITH THE MANUFACTURER INSTALLATION MANUAL AND FOUND TO OPERATE PROPERLY. AN OPERATIONAL FLIGHT TEST MUST BE PERFORMED BY AN APPROPRIATELY RATED PILOT WITH AT LEAST A PRIVATE PILOT CERTIFICATE AND ENTERED INTO THE AIRCRAFT RECORDS TO COMPLY WITH THE REQUIREMENTS OF FAR 91.407(b).

FACTORY SUPPLIED GARMIN 400W SERIES INSTRUCTIONS FOR CONTINUED AIRWORTHINESS, DOCUMENT NUMBER 190-00356-65, REVISION B, DATED JULY 30, 2009, ARE ATTACHED AS ADDITIONAL SHEETS FOLLOWING BLOCK 8 OF THE FAA FORM 337 DATED 10-15-2012, AND ARE NOW PART OF THE AIRCRAFT'S INSPECTION AND MAINTENACE REQUIREMENTS.

DISCREPANCY: INSTALL GARMIN GPS696 WITH AIRGIZMO MOUNT """

DISCREPANCY: INSTALL GARMIN GPS696 WITH AIRGIZMO DOCKING STATION.

Model: 696 Part#: 010-00667-40 Serial#: 1H6014865

ACTION: INSTALLED AN AIRGIZMOS 695/696 PANEL DOCK, S/N 3958, IN THE SECONDARY RADIO STACK LOCATION VACATED BY THE PREVIOUSLY REMOVED IN1S2A RADAR INDICATOR AND RNAV COMPUTER. INSTALLATION COMPLETED IN ACCORDANCE WITH THE AIRGIZMOS 696/696 PANEL DOCK INSTALLATION INSTRUCTIONS, REVISION 3, DATED MARCH 3, 2010; AND AC 43.13-28, PARAGRAPHS 202 AND 203. THE GPSMAP 696, P/N 010-00667-40, S/N 1H6014865, WAS INSTALLED IN THE PANEL DOCKING STATION, AND INTERFACED THROUGH A GARMIN POWER/DATA CABLE, P/N 010-11206-15, TO THE AVIONICS POWER BUSS THROUGH THE FACTORY SUPPLIED INLINE FUSE IN ACCORDANCE WITH THE GARMIN GPSMAP 695/696 OWNER'S MANUAL, P/N 190-00919-00, REV G; AND AC 43.13-1B CHANGE 1, PARAGRAPHS 11-30, 11-31, 11-32, 11-47, 11-48, 11-66, 11-76, 11-77, AND 11-96.

**** ITEM # 5563-6 EXTEND AUDIO PANEL WIRING. ****

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DISCREPANCY: EXTEND AUDIO PANEL WIRING TO ALLOW RELOCATION OF UNIT TO PRIMARY RADIO STACK.

Model: 1000 SERIES PART#: 1000 SERIES Serial#: N/A

ACTION: INSPECTED AUDIO PANEL WIRING AND FOUND THE AUDIO PANEL WIRING BUNDLE WOULD NOT REACH THE NEW
MOUNTING LOCATION. FOUND FOUR WIRES FROM AUDIO PANEL TO MAIN WIRING BUNDLE THAT NEEDED TO BE
EXTENDED FOR RELOCATION OF EXISTING AUDIO PANEL. ADDED APPROXIMATELY 18 INCHES OF WIRE EXTENSION TO
THE AFFECTED WIRES, SECURED WIRING WITH MAIN WIRING BUNDLE, AND RELOCATED AUDIO PANEL TO PRIMARY
RADIO STACK LOCATION.

**** ITEM # 5563-7 MODIFY EXISTING RADIO PANEL MOUNTING ****
DISCREPANCY: MODIFY EXISTING RADIO PANEL MOUNTING TO ALLOW INSTALLATION OF AVIONICS EQUIPMENT.
Model: C414A Part#: C414A Serial#: 414A0608
ACTION: DISASSEMBLED CENTER RADIO STACK ASSEMBLY AFTER REMOVAL OF THE PREVIOUSLY REMOVED ARC 1000
SERIES RNAV UNIT, P/N 46030-1000, S/N 963; THE ARC 1000 SERIES NAV CONTROLLER, P/N 45720-0000, S/N
4039; THE ARC 1000 SERIES COM CONTROLLER, P/N 45670-0000, S/N 3866; THE ARC 1000 SERIES ADF MODE
CONTROLLER, P/N C-1046A, S/N 906; AND THE BENDIX IN152A RADAR IND, P/N 4000946-5201, S/N 5816, FROM
THE PRIMARY AND SECONDARY RADIO STACK MOUNTING LOCATIONS. REMOVED REMAINING ARC 1000 SERIES
MODIFICATION. REMOVED THE ARC COMM, NAV, AND ADF CONTROL HEAD MOUNTING HOLES FROM THE PRIMARY RACK
STACK MOUNTING LOCATIONS, AND THE REMAINING ARC 1000 SERIES AUDIO PANEL FROM THE SECONDARY RADIO
STACK MOUNTING LOCATION. FABRICATED NEW RADIO MOUNTING PANEL FROM .090 ALUMINUM SHEET METAL WITH
PROPER LAYOUT FOR THE GARMIN GNS430W, THE GNS430, AND THE AUDIO PANEL IN THE PRIMARY RADIO STACK;
THIRD RADIO STACK. INSTALLED NEW RADIO STACK, AND THE REMAINING 1000 SERIES TRANSPONDERS IN THE
INSURE PROPER FIT. REMOVED UNFINISHED PANEL AND ALUMIPREPED, ALODINED, CHROMATED, AND PAINTED NEW



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CENTER PANEL SECTION TO MATCH ORIGINAL INSTRUMENT PANEL COLOR. REINSTALLED RADIO RACK IN AIRCRAFT PARAGRAPHS COLO 7.07 AMO INSTALLED EQUIPMENT MOUNTING RACKS. WORK ACCOMPLISHED IN ACCORDANCE WITH AC 43.13-28, PARAGRAPHS COLO 7.07 AMO 7.05 AMO 7.0

**** ITEM # 5563-8 REASSEMBLE AIRCRAFT & DOCUMENTATION ****
DISCREPANCY: REASSEMBLE AIRCRAFT, RAMP TEST AVIONICS SYSTEMS, AND COMPLETE FAA DOCUMENTATION.

Model: N/A Parte: N/A Samille: N/A
ACTION: REASEMBLE PREVIOUSLY REMOVED OVERHEAD INTEGER AND PILOT SIDEMALL ASSEMBLIES FOR GPS
ANTENNA INSTALLATION, AND INSTALLED GALLEY DIVIDER AFT OF PILOT SATING. INSTALLED AVIONICS
EQUIPMENT IN MONITHING RACKS, PROCRAMMED UNITS, AND PERFORMED AVIONICS RAMP CHECKS. COMPLETE FA
DOCUMENTATION TO INCLUDE 337'S, ICA, FLIGHT MANUAL SUPPLEMENTS, MEDIGT AND BELANCE, EQUIPMENT LIST
REVISION, AND LOGGOOK EMPILOR.

MAINTENANCE RELEASE / RETURN TO SERVICE
THE AIRCRAFT, AIRFAMME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED
AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS
APPROVED FOR RETURN TO SERVICE.

Brasil 10-15-2012 WINRIDSO BRADY N TERRY DATE Page No. TACH OR TIME RECORDING DESCRIPTION OF WORK PERFORMED-DATE SINCE METER SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK OVERHAUL TOTALS brought forward from previous page 479-799-8065 Twelve Stone Aviation 802 Airport Ave. Hanger 5 Springdale, AR 72764 DATE: 04/01/13 ACTT: 4698.8 N2702L HOBBS: 4719.8 PERFORMED INSPECTION IAW CESSNA 414A MAINTENANCE MANUAL ANNUAL CHECKLIST. REMOVED ALL PANELS. INSPECTED ALL CABLES, PULLEYS AND BELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FLIGHT CONTROLS, FUSELAGE, WINGS, EMPANAGE AND LANDING GEAR. JACKED AIRCRAFT. REMOVED SQUAT SWITCH, CLEANED CONNECTIONS, RE-INSTALLED, OPS CK GOOD. 21 HOURS ACCUMULATED ON HOBBS DUE TO FAILURE OF SQUAT SWITCH THAT DOES NOT COUNT TOWARD TOTAL TIME OF AIRCRAFT, ENGINES WERE NOT RUNNING, PLANE NOT MOVING, CHECKED BRAKES, LUBED ALL WHEEL BEARINGS, LUBED LANDING GEAR, PERFORMED NORMAL GEAR RETRACTION, LANDING GEAR OPERATED NORMALLY, REMOVED AIRCRAFT FROM JACKS, ELT CHECKED PER 91.207d, NEW ELT BATTERY DUE 02/2014. SERVICED BRAKES WITH MIL-H-5606. SERVICED TIRES WITH NITROGEN. SERVICED OXYGEN. ALL AD'S CHECKED THROUGH 06/28/2013. ALL PANELS RE-INSTALLED. GROUND RUN PERFORMED. ALL SYSTEMS OPERATED NORMALLY, NO

DISCREPANCIES NOTED. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION & WAS DETERMINED TO BE IN AIRWORTHY CONDITION. KEVIN S. DAVIS

Wings Avionics, Inc. 421 Ernest Lancaster Dr. Fayetteville, AR 72701 W1NR1050 LOG ID# 3453 03-December-2013 WO# 5883 REF# 5883 HOBBS 4719.8 N2702L S/N 414A0608 CESSNA 414A

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**** ITEM # 5883-1 CHK PRIMARY ATTITIDE GYRO-FAILED IN FLT **** DISCREPANCY: CHECK PRIMARY ATTITIDE GYRO-CUSTOMER REPORTED UNIT FAILED IN FLIGHT, AND INVERTER CIRCUIT BREAKER TRIPPED.

DISCREPANCY: CHECK PRIMARY ATTITIDE GYRO-CUSTOMER REPORTED UNIT FAILED IN FLIGHT, AND INVERTER CIRCUIT BREAKER TRIPPED.

MOdel: SPC-10 Part#: SPC-10 Serial#: 562

ACTION: RAMP TESTED AND DUPLICATED CUSTOMER COMPLAINT. REMOVED GLARE SHIELD ASSEMBLY TO GAIN ACCESS TO THE SPERRY GH-14 HORIZON GYRO, DISCONNECTED THE GYRO MATING PLUG, RESET THE INVERTER CKT BRKR, RETESTED, AND FOUND INVERTER CKT BRKR DID NOT TRIP. CONTACTED FACTORY TECHNICAL ASSISTANCE, OBTAINED THE PIN DIAGRAM FOR THE SPERRY GH-14 HORIZON GYRO, P/N 4020501-432, CHECKED AC VOLTAGE INPUT AT GYRO MATING CONNECTOR, AND FOUND 26V AC INPUT VOLTAGE WAS BELOW 10 VOLTS. PROBLEM ISOLATED TO FAULTY AC INVERTER. DISASSEMBLED FORWARD AVIONICS BAY COVERS AND REMOVED THE DV-101A DYNAVERTER, P/N 43320-0000, S/N 1-780-B, (AVIONIC INSTRUMENTS 1A100-2A1), BENCH TESTED UNIT, AND VERIFIED COMPLAINT. ATTEMPTED TO LOCATE REPLACEMENT UNIT BUT WAS UNABLE TO SECURE UNIT. CONTACTED MANUFACTURER FOR REPAIR BUT WAS ADVISED UNIT NO LONGER REPAIRABLE. NOTIFIED CUSTOMER AND DECISION REACHED TO LOCATE AND INSTALL A REPLACEMENT INVERTER. INSTALLED A KGS ELECTRONICS SPC-10 STATIC INVERTER, S/N 562, CERTIFIED TO FAA TSO-C73, AND DO-160 ENYRONMENTAL CATEGORY. REMOVED WIRING FROM THE EXISTING MATING PLUG, EXTENDED WIRING WITH WIRE SPLICES, AND REWIRED AS FOLLOWS: PIN A=28 VOLT DC INPUT; PIN B=DC GROUND; PIN C=AC RETURN COMMON; PIN F=26 VOLT AC @ 400 HZ. THE UNIT MOUNTING LOCATION WAS MOVED FROM THE BOTTOM OF THE UPPER AVIONICS ACCESS COVER PANEL TO THE AVIONICS BAY FLOOR MOUNTING LOCATION TO IMPROVE STRUCTURAL MOUNTING INTEGRITY. MECHANICAL INSTALLATION COMPLETED IN ACCORDANCE WITH AC 43.13-2B, PARAGRAPHS 202 AND 204; AND ELECTRICAL INSTALLATION COMPLETED IN ACCORDANCE WITH AC 43.13-2B, PARAGRAPHS 11-30, 11-31, 11-32, 11-47, 11-48, 11-66, 11-76, 11-77, AND 11-96. RAMP TESTED AND FOUND AC INVERTER OPERATIONAL WITH CORRECT VOLTAGE MEASURED AT GYRO MATING CONNECTOR. REINSTALLED HORIZON GYRO, RAMP TESTED, AND FOUND OPERATIONAL. REINSTALLED GLARE SHIELD ASSEMBLY, PERFORMED FINAL RAMP TEST,

Wings Avionics, Inc. 421 Ernest Lancaster Dr. Fayetteville, AR 72701 W1NR1050 LOG ID# 3453 03-December-2013 WO# 5883 REF# 5883 HOBBS 4719.8 N2702L S/N 414A0608 CESSNA 414A

Pg 2/2

MAINTENANCE RELEASE / RETURN TO SERVICE
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED
AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE

TOTALS-Carry forward to next page

Each Static Pressure System, Each Altimeter Instrument & Each Automatic Pressure Altitude Reporting System has been tested and inspected and found to comply with Appendix "E" of FAR 43, as required by FAR 91,411. Altimeter #1 SN 355 4 PN 64014 P	No					
Each Static Pressure System, Each Altimeter Instrument & Each Automatic Pressure Altitude Reporting System has been tested and inspected and found to comply with Appendix "E" of FAR 43, as required by FAR 91, 411. Altimeter #1 SN 355 PN 601A #2 SN 1443 PN 601A #2 SN 1443 PN 601A #2 SN 1443 PN 601D/101 NORTHWEST ARKANSAS AVIONICS, INC. 5404 AIRPORT BLVD. FORT SMITH, ARKANSAS 72903 CRS QNAR051K Date 3/11/14 Signature 60 Signature 70 PN 67 X 301 PN 91.413. Transponder has been tested and inspected and found to comply with appendix "F" of FAR Part 43, as required by FAR 91.413. Transponder #1 SN 63747//7 PN 67 X 32 PN 40260-1028 Twelve Stone Aviation 802 Airport Ave. Hanger 5 Springdale, AR 72764 479-799-8065 N2702L HOBBS: 4784.0 ACTT: 4763.0 DATE: 9328/14 PERFORMED INSPECTION IAW CESSNA 414A MAINTENANCE MANUAL ANNUAL CHECKLIST. REMOVED ALL PANELS. INSPECTED ALL FALES, PULLEYS AND BELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FALES, PULLEYS AND BELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FALES, PULLEYS AND MELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FALEST PULLEYS AND MELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FALEST PULLEYS AND MELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FALEST PULLEYS AND MELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FALEST PULLEYS AND MELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FALEST PULLEYS AND MELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FALEST PULLEYS AND MELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FALEST PULLEYS AND MELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FALEST PULLEYS AND MELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FALEST PULLEYS. AND MELLCRANKS. LUBED ALL MOVABLE SURFACES. PULLEYS AND MELLCRANKS. LUBED ALL MOVABLE	ATE				10# 11835)BK
Automatic Pressure Altitude Reporting System has been tested and inspected and found to comply with Appendix "E" of FAR 43, as required by FAR 91.411. Altimeter #1 SN355 '	— Fac	h Static Proceur	System Fach Al			, inc
inspected and found to comply with Appendix "E" of FAR 43, as required by FAR 91.411. Altimeter #1 SN 3.55 4 PN CAGOD #4.01 #2 SN 1.4.4.33 PN CAGOD #4.01 NORTHWEST ARKANSAS AVIONICS, INC. 5404 AIRPORT BLVD. FORT SMITH, ARKANSAS 72903 CRS QNAR051K Date 3.11/4 Signature Account for FAR Part 43, as required by FAR 91.413. The ATC transponder has been tested and inspected and found to comply with appendix "F" of FAR Part 43, as required by FAR 91.413. Transponder #1 SN 63747//Y PN 67.7 x -3.2 7 PN 42260-1028 Twelve Stone Aviation 802 Airport Ave. Hanger 5 Springdale, AR 72764 479-799-8065 N2702L HOBBS: 4784.0 ACTT: 4763.0 DATE: 03/28/14 PERFORMED INSPECTION IAW CESSNA 414A MAINTENANCE MANUAL ANNUAL CHECKLIST. REMOVED ALL PANELS. INSPECTED ALL CABLES, PULLEYS AND BELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FLIGHT CONTROLS, FUSELAGE, WINGS, EMPANAGE AND LANDING GEAR, IACKED AIRCRAFT, REPLACED MAIN AND NOSEWHEEL BEARINGS AND RACES WITH NEW. REMOVED RIGHT AND LEFT HAND MLG ACTUATORS FOR 0/H. INSTALLED LANDING GEAR PERFORMED NORMAL GEAR RETRACTION. LANDING GEAR OPERATED NORMALLY. REMOVED AIRCRAFT FROM JACKS. ELT CHECKED PER 91.2074. NEW ELT BATTERY DUE 05/2016. REPLACED TAIL POSITION LAMP WITH NEW. REPLACED RHAIL DIED LANDING GEAR OPERATED NORMALLY. REMOVED AIRCRAFT FROM JACKS. ELT CHECKED PER 91.2074. NEW ELT BATTERY DUE 05/2016. REPLACED TAIL POSITION LAMP WITH NEW. REPLACED RH LANDING LIGHT ASSEMBLY WITH O'H UNIT FROM ABROSPACE TURBINE ROTABLES INC. CRS#NV2RO45L, PN45-0149, SN422393. REPLACED RHA WING QUIDBOARD STATIC WICK WITH NEW. SERVICED BRAKES WITH MILH-5666. SERVICED TIRES WITH NITROGEN. SERVICED DXYGEN. ALL AD'S SERVICED TIRES WITH NITROGEN. SERVICED DXYGEN. ALL AD'S SERVICED TIRES WITH NITROGEN. SERVICED DXYGEN. ALL AD'S SERVICED DXYGEN. ALL AD'S SERVICED TIRES WITH NITROGEN. SERVICED DXYGEN. ALL AD'S SERVICED TIRES WITH NI						
required by FAR 91.411. Altimeter #1 SN 355 4 PN CA-801A #2 SN YA 433 PN CAGOD HOLD NORTHWEST ARKANSAS AVIONICS, INC. 5404 AIRPORT BLVD. FORT SMITH, ARKANSAS 72903 CRS QNAB051K Date 3/11/4 Signature The ATC Transponder has been tested and inspected and found to comply with appendix "F" of FAR Part 43, as required by FAR 91.413. Transponder #1 SN 63747//Y PN 67x -337 #2 SN (2 78 PN 42260-1028) Twelve Stone Aviation 802 Airport Ave. Hanger 5 Springdale, AR 72764 479-799-8065 N2702L HOBBS: 4784.0 ACTT: 4763.0 DATE: 03/28/14 PERFORMED INSPECTION IAW CESSNA 414A MAINTENANCE MANUAL ANNUAL CHECKLIST. REMOVED ALL PANELS. INSPECTED ALL CABLES, PULLEYS AND BELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FLIGHT CONTROLS, FUSELAGE, WINGS, EMPANAGE AND LANDING GEAR JACKED AIRCRAFT. REPLACED MAIN AND NOSEWHEEL BEARNOS AND RACES WITH NEW. REMOVED RIGHT AND LIFT HAND MLG ACTUATORS FOR O'H. INSTALLED R'H AND LIFH MLG ACTUATORS AFTER O'H BY AIR CAPITAL JET LLC CRS#TAIR653Y. LUBED LANDING GEAR, PERFORMED NORMALL GEAR RETRACTION. LANDING GEAR OPERATED NORMALLY. REMOVED AIRCRAFT FROM JACKS. ELT CHECKED PER 912-074. NEW ELT BATTERY DUE 05/2016. REPLACED TAIL POSITION LAMP WITH NEW. REPLACED R'H LANDING LIGHT ASSEMBLY WITH O'H UNIT FROM AEROSPACE TURBINE ROTABLES INC. CRS#NY2RO451. PN45-0148-9, SN422393. REPLACED TAIL POSITION LAMP WITH NEW. REPLACED R'H LANDING CHECKED THROUGH 03/28/2014. ALL PANELS RE-INSTALLED. GROUND RUN PERFORMED. ALL SYSTEMS OPERATED NORMALLY. NO DISCREPANCIES NOTED. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION & WAS DETERMINED TO BE IN AIRWORTHY CONDITION. REVIN S. DAVIS AP4314761481A 144 N27021 2000 H6-665 REPLACED THESE WITH AIR ANNUAL INSPECTION & WAS DETERMINED TO BE IN AIRWORTHY CONDITION. REVIN S. DAVIS AP4314761481A						
Altimeter #1 SN 355 H PN CAGOD A #2 SN 1A433 PN CAGOD HOLD NORTHWEST ARKANSAS AVIONICS, INC. 5404 AIRPORT BLVD. FORT SMITH, ARKANSAS 72903 CRS QNAROSTIK Date 3/11/14 Signature		rected and round to		411		
#2 SN 4 4 3 3 PN C6010 14/01 NORTHWEST ARKANSAS AVIONICS, INC. 5404 AIRPORT BLVD. FORT SMITH, ARKANSAS 72903 CRS QNAB051K Date 3/11/14 Signature 12 2 10 10 10 10 10 10 10 10 10 10 10 10 10		Altime	er#1 SN 3554	PN /	A-801A	
NORTHWEST ARKANSAS AVIONICS, INC. 5404 AIRPORT BLVD. FORT SMITH, ARKANSAS 72903 CRS QNAR051K Date 7/11/14 Signature		7 Harrio		3 PN C	60/014/01	
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CRS QNAB051K Date 3/11/4/ Signature // LC						
CRS QNAB051K Date 3/11/4/ Signature // LC	-	FOF	T SMITH, ARKANS	AS 72903		
The ATC Transponder has been fested and inspected and found to comply with appendix "F" of FAR Part 43, as required by FAR 91.413. Transponder #1 SN 63747//7 PN 67 x -3 2 7 #2 SN 2 S			CRS QNAR0511	<		
The ATC Transponder has been fested and inspected and found to comply with appendix "F" of FAR Part 43, as required by FAR 91.413. Transponder #1 SN 63747//7 PN 67 x -3 2 7 #2 SN 2 S		3/11/14 5	Signature Hom	None	\geq	
Twelve Stone Aviation 802 Airport Ave. Hanger 5 Springdale, AR 72764 479-799-8065 N2702L HOBBS: 4784.0 ACTT: 4763.0 DATE: 03/28/14 PERFORMED INSPECTION IAW CESSNA 414A MAINTENANCE MANUAL ANNUAL CHECKLIST. REMOVED ALL PANELS. INSPECTED ALL CABLES, PULLEYS AND BELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FLIGHT CONTROLS, FUSELAGE, WINGS, EMPANAGE AND LANDING GEAR. PAGE AIRCRAFT. REPLACED MAIN AND NOSEWHELE BEARINGS AND RACES WITH NEW, REMOVED RIGHT AND LEFT HAND MLG ACTUATORS FOR 0/H. INSTALLED R/H AND L/H MLG ACTUATORS AFTER O/H BY AIR CAPITAL JET LLC CRS#7AIR653Y. LUBED LANDING GEAR. PERFORMED NORMAL LEGAR RETRACTION. LANDING GEAR OPERATED NORMALLY. REMOVED AIRCRAFT FROM JACKS. ELT CHECKED PER 91.207d. NEW ELT BATTERY DUE 05/2016. REPLACED TAIL POSITION LAMP WITH NEW. REPLACED R/H LANDING LIGHT ASSEMBLY WITH O/H UNIT FROM AEROSPACE TURBINE ROTABLES INC. CRS#NV2RO45L, PN45-0148-9, SN422393. REPLACED R/H WING OUTBOARD STATIC WICK WITH NEW. SERVICED BRAKES WITH MILH-5606. SERVICED DIES WITH SWITH NITROGEN. SERVICED DXYGEN. ALL AD'S CHECKED THROUGH 03/28/2014. ALL PANELS RE-INSTALLED. GROUND RUN PERFORMED. ALL SYSTEMS OPERATED NORMALLY. NO DISCREPANCIES NOTED. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION & WAS DETERMINED TO BE IN AIRWORTHY CONDITION. KEVIN S. DAVIS AP431476148IA 1/4/ 1/2702/ 2000 Hooss REPLACED HOOSS REPLACED HOOSS WAS BEEN WAS DETERMINED AP431476148IA	— The	ATC Transponder	has been tested a	nd inspected ar	nd found to	
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Twelve Stone Aviation 802 Airport Ave. Hanger 5 Springdale, AR 72764 479-799-8065 N2702L HOBBS: 4784.0 ACTT: 4763.0 DATE: 03/28/14 PERFORMED INSPECTION IAW CESSNA 414A MAINTENANCE MANUAL ANNUAL CHECKLIST. REMOVED ALL PANELS. INSPECTED ALL CABLES, PULLEYS AND BELLCRANKS. LUBED ALL MOVABLE SURFACES. INSPECTED ALL FLIGHT CONTROLS, FUSELAGE, WINGS, EMPANAGE AND LANDING GEAR. JACKED AIRCRAFT. REPLACED MAIN AND NOSEWHEEL BEARINGS AND RACES WITH NEW. REMOVED RIGHT AND LEFT HAND MLG ACTUATORS FOR 0/H. INSTALLED R/H AND L/H MLG ACTUATORS AFTER O/H BY AIR CAPITAL JET LLC CRS#7AIR653Y. LUBED LANDING GEAR. PERFORMED NORMALLY. REMOVED AIRCRAFT FROM JACKS. ELT CHECKED PER 91.207d. NEW ELT BATTERY DUE 05/2016. REPLACED TAIL POSITION LAMP WITH NEW. REPLACED R/H LANDING LIGHT ASSEMBLY WITH O/H UNIT FROM AEROSPACE TURBINE ROTABLES INC. CRS#NY2RO45L, PN45-0148-9, SN422393. REPLACED R/H WING OUTBOARD STATIC WICK WITH NEW. SERVICED BRAKES WITH MILH-5606. SERVICED TIRES WITH NITROGEN. SERVICED OXYGEN. ALL AD'S CHECKED THROUGH 03/28/2014. ALL PANELS RE-INSTALLED. GROUND RUN PERFORMED. ALL SYSTEMS OPERATED NORMALLY. NO DISCREPANCIES NOTED. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION & WAS DETERMINED TO BE IN AIRWORTHY CONDITION. KEVIN S. DAVIS AP431476148IA 144 N2702L 2000 Horses Replaced Horses WITH A NANUAL INSPECTION & WAS DETERMINED TO BE IN AIRWORTHY CONDITION. KEVIN S. DAVIS AP431476148IA			#2 SN (2'78	PN <u>-4</u>	2260-1028	A Land
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4780,0 ACTT WITH READING OF 200.0	REMOVED A MOVABLE S AND LANDI RACES WITH R/H AND L/H LANDING G NORMALLY BATTERY D LIGHT ASSE PN45-0148-9, BRAKES WITH CHECKED T SYSTEMS OF HAS BEEN ITH TO BE IN AIL KEVIN S. DA	ALL PANELS. INSPECTE SURFACES. INSPECTE NG GEAR. JACKED A H NEW. REMOVED RI H MLG ACTUATORS A EAR. PERFORMED NG REMOVED AIRCRAUE 05/2016. REPLACE MBLY WITH O/H UN, SN422393. REPLACE TH MIL-H-5606. SERV HROUGH 03/28/2014. PERATED NORMALL NSPECTED IN ACCORDANIS	TED ALL CABLES, PULLED ALL FLIGHT CONTRICKAFT. REPLACED METER OF BY AIR CAPORMAL GEAR RETRACET FROM JACKS. ELT CONTRICKE TO TAIL POSITION LAMITED THE WING OUTBOAR ICED TIRES WITH NITH ALL PANELS RE-INSTAR Y. NO DISCREPANCIES RDANCE WITH AN ANNEXE TO THE PANELS REALL AND ANNEXE TO THE PANELS RE-INSTAR AND ANNEXE WITH AN ANNEXE WITH WITH AN ANNEXE WITH WITH WITH WITH WITH WITH WITH WITH	LEYS AND BELLC OLS, FUSELAGE, V MAIN AND NOSEW MLG ACTUATORS PITAL JET LLC CRS TION. LANDING G CHECKED PER 91.2 IP WITH NEW. REF FURBINE ROTABL LD STATIC WICK V ROGEN. SERVICEI ALLED. GROUND R S NOTED. I CERTIF	RANKS. LUBED AI WINGS, EMPANAG /HEEL BEARINGS / S FOR O/H. INSTAL S#7AIR653Y. LUBE GEAR OPERATED 107d. NEW ELT PLACED R/H LAND ES INC. CRS#NV2F WITH NEW. SERVIC O OXYGEN. ALL AI RUN PERFORMED. Y THAT THIS AIRC	ELL E AND LED D ING RO45L, CED D'S ALL CRAFT
4780,0 ACTT WITH READING OF 200.0	111					
	14 1/2702					177
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				1/- (1	1 5 10.	
	THE RESERVE		TOTAL S—Carry forwa	erd to next name		

D. 479-799-8065 802 Airport Ave. Hanger 5 Springdale, AR 72764 Twelve Stone Aviation DATE: 05/10/15 ACTT: 4910,0 N2702L HOBBS: 330.0 PERFORMED INSPECTION IAW CESSNA 414A MAINTENANCE MANUAL ANNUAL CHECKLIST REMOVED ALL PANELS, INSPECTED ALL CABLES, PULLEYS AND BELLCRANKS, LUBED ALL MOVABLE SURFACES, INSPECTED ALL FLIGHT CONTROLS, FUSELAGE, WINGS, EMPANAGE AND LANDING GEAR, JACKED AIRCRAFT, REPLACED MAIN TIRES AND TUBES WITH NEW. REPLACED O-RINGS IN BOTH BRAKE CALIPERS. REPLACED ALL BRAKE LININGS WITH NEW. SERVICED BRAKES WITH 5606, REPLACED PRESSURIZATION TUBE FROM BULKHEAD TO HEATER WITH NEW PN.5117257-2. REMOVED C AND D COMBUSTION HEATER AND REPLACED AFTER REPAIR BY HAROLD HASKINS INC. REPLACED VOLTMETER WITH SERVICEABLE UNIT REPLACED VOLT/AMP SELECTOR SWITCH WITH SERVICEABLE UNIT, REPLACED R/H VOLTAGE REGULATOR WITH NEW. REPLACED R/H ALTERNATOR DIODE WITH NEW. LUBED LANDING GEAR, PERFORMED NORMAL GEAR RETRACTION, LANDING GEAR OPERATED NORMALLY REMOVED AIRCRAFT FROM JACKS. SOLDERED WIRE ON R/H NAV LT AND REPLACED LAMP WITH NEW, REPLACED ALL O-RINGS IN SHIMMY DAMPNER WITH NEW, SERVICED WITH 5606 ELT CHECKED PER 91,207d, NEW ELT BATTERY DUE 05/2016, SERVICED BRAKES WITH MIL-H-5606. SERVICED TIRES WITH NITROGEN, SERVICED OXYGEN, ALL AD'S CHECKED THROUGH 05/10/2015, ALL PANELS RE-INSTALLED, GROUND RUN PERFORMED, ALL SYSTEMS OPERATED NORMALLY. NO DISCREPANCIES NOTED, I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION & WAS DETERMINED TO BE IN AIRWORTHY CONDITION. KEVINS. DAVIS AP4314761481A 479-799-8065 Springdale, AR 72764 802 Airport Ave. Hanger 5 Twelve Stone Aviation DATE: 01/21/15 N2702L SN: 414A0608 HOBBS: 271.4 REPLACES SHIPS BATTERY WITH NEW CONCORDE RG24-20, SN. 40680983. GROUND RUN PERFORMED. ALL SYSTEMS OPERATED NORMALLY, NO DISCREPANCIES NOTED. RETURN TO SERVICE. KEVINS. DAVIS AP4314761481A Twelve Stone Aviation 802 Airport Ave. Hanger 5 Springdale, AR 72764 479-799-8065 N2702L HOBBS: 457.3 ACTT: 5037.3 DATE: 03/15/16 REPLACED O-RINGS IN R/H OLEO STRUT. SERVICED WITH MIL H5606 AND NITROGEN. GROUND RUN PERFORMED. TAXIED AIRCRAFT, ALL SYSTEMS OPERATED NORMALLY, NO DISCREPANCIES NOTED. RETURN TO SERVICE. KEVINS DAVIS

Page No Each Static Pressure System, Each Altimeter Instrument & Each DATE Automatic Pressure Altitude Reporting System has been tested and inspected and found to comply with Appendix "E" of FAR 43, as required by FAR 91.411. Altimeter #1 SN 3559 PN43300-61288 #2 SN 4A433 PN 5934 PA-1 NORTHWEST ARKANSAS AVIONICS, INC. 5404 AIRPORT BLVD FORT SMITH, ARKANSAS 72903 CRS QNAB051K Date 7/5/16 Signature Clas Hal The ATC Transponder has been tested and inspected and found to comply with appendix "F" of FAR Part 43, as required by FAR 91.413. Transponder #1 SN 83747117 #2 SN 84110247 PN RT-859A 802 Airport Rd. Hangar 5 Springdale, AR 72764 Twelve Stone Aviation, LLC REGISTRATION N2702L AIRFRAME T.T. 5064.6 DATE: 07/29/2016 MODEL C414A HOBBS 0484 6 S N 414A0608 ANNUAL INSPECTION REPLACED ELT BATTERY WITH NEW ELT CHECKED PER 91 207d, NO DEFECTS NOTED BATTERY DUE APRIL 2023 REPLACED O-RINGS IN BRAKE CALIPERS BOTH SIDES REPLACED ALL REGULATOR AND VACUUM FILTERS WITH NEW REPLACED L/H AND R/H ENGINE INDUCTION AIR FILTERS WITH NEW REPLACED RHEOSTAT IN COCKPIT OVERHEAD LIGHT CIRCUIT WITH NEW SERVICED FREON IN A/C SYSTEM REMOVED HEATER FOR REPAIR BY HASKINS INC. INSTALLED AFTER REPAIR. INSPECTED HEATER. HOBBS 000 0 AD 04-21-05 DUE 05/2017 OR 000 0 HEATER HOBBS AD'S CHECKED THROUGH 07/29/2016 I CERTIFY THIS AIRFRAME HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION. 802 Airport Rd. Hangar 5 Springdale, AR 72764 Twelve Stone Aviation, LLC DATE 05/29/2016 REGISTRATION N2702L AIRFRAME T.T 5060 0 MODEL C414A HOBBS 0480 0 SN 414A0608 REPLACED PILOT SIDE WINDSHIELD WITH SERVICEABLE GLASS WINDSHIELD USING NEW GASKETS SEALS AND HARDWARE

ORK

REPLACED ALL O-RINGS IN LEFT MAIN STRUT WITH NEW, SERVICED WITH 5606 AND NITROGEN

INSTALLED J.P.I. EDM 790 ENGINE MONITOR, SEE 337 THIS DATE

GROUND RUN, ALL OPS NORMAL, RETURN TO SERVICE

AP431476148IA

Page I				
	DECISTRATION, NAZON	AMERICA T. 5202.2	DATE 00/01/2017	Page No
D,	REGISTRATION: N2702L MODEL C414A	HOBBS 622 2	DATE 09/01/2017 S N 414A0608	
	MODEL C414A	HOBBS 622 2	3 N 414AU0U0	CONTRACTOR OF SOME AND ADDRESS OF SOME ASSESSMENT O
				Construction of the Asian Occup. A127021
	ANNUAL INSPECTION			Cessna 414A S/N 414A-0608 N2702L
		LT CHECKED PER 91 207d, NO DEFECTS NOTE	D. BATTERY DUE APRIL 2023	10/4/2018 Hobbs Time 750.8 Total Time 5330.8
	REPLACED O-RINGS IN BRAKE CALIPER			Total fille 3330.8
	REPLACED ALL REGULATOR AND VACU			Inspected aircraft in accordance with FAR 43 appx D and Cessna 414A service manual. Removed all inspection plates, checked
	REPLACED L/H AND R/H ENGINE INDU			and lubed all pulleys and hinge attachments. Checked tension on all control cables. Removed and replaced E.L.T. Battery, P/N
	REPLACED RHEOSTAT IN COCKPIT OVE			BS2173 in accordance with FAR 91.207. Battery next due (10/20).
	SERVICED FREON IN A/C SYSTEM			Date y liext due (10/20).
	 REMOVED HEATER FOR REPAIR BY HA 	SKINS INC. INSTALLED AFTER REPAIR.		Serviced main aircraft battery, replaced tail nav light with new GE 307 bulb. Replaced cabin Instrument air filter with new P/N
	INSPECTED HEATER, HOBBS 000 0. AC	04-21-05 DUE 05/2017 OR 000 0 HEATER HO	OBBS	(AM103535IA.) Replaced both Vacuum regulator filters with new (P/NB3-5-1). Cleaned and inspected left and right fuel
	 AD'S CHECKED THROUGH 07/29/2016 			strainers. Removed Pilot and co-pilots seat and left and right AC evaporators and related cabinetry to gain access to remove left
				and right side prop cables and heat exchanger cables. Replaced both prop cables with new from RAM Aircraft P/N 1220-25 &
				PN 1220-26. Replaced left and right side heat exchanger cables with serviceable cables. Removed 2 front moisture cabin drains
	I CERTIFY THIS AIRFRAME HAS BEEN INSPECTED	IN ACCORDANCE WITH ANNUAL INSPECTION	N AND WAS FOUND TO BE IN AIRWORTHY CONDITIO	and replaced with new P/N CM3575-4. Installed left and right evaporators and installed Freon gas to book specs. Check AC
	1/ - \			system and service Hydraulic system. Installed Pilot and co-pilot seats and related cabinetry.
	KEVINS DAVIS			Removed and sent out Oxygen Bottle and Emergency Landing Gear Blow down bottle for Hydrostatic test to Aerospace turbine
	AP43147614814			retables. Due dates as follows: Oxygen bottle- 9/13/2021, Blow down bottle- 9/13/2023
	W. HOTALOTTO			Jacked aircraft, replaced several leaking O-ring's in nose area of Hydraulic system. Removed and replaced left main gear
				trunnion front and aft pivot pins and replaced with P/N 5141107-1. Replaced left side middle scissors bushing with P/N
				5041013-3. Removed and replaced right side main gear trunnion aft pivot pin P/N 5141107-1. Removed and replaced left and
				right hydraulic filters P/N AN6235-2A and O-rings P/N MS28775-224 from Ram Aircraft. Removed left side main gear hydraulic
				line and replaced with new, P/N CM3690-A60140. Rebuilt nose shimmy Damper using new O-rings and filled with 5606 Oil.
				Removed wheels, sand blasted and re painted outside wheel haft to match. Replaced left and right side main gear door hinge
				pins. Removed all wheel bearings, inspected and re-packed with grease. Installed 2 new good year custom Flight III tires and
				tubes on left and right side main gear with 650x10X8 tires. Inspected brake linings, 50% remaining with normal ware. Serviced
				hydraulic landing gear system. Completed landing Gear retraction and extension operation 5 times, no leaks noted and system
				functions properly. Inspected emergency gear for proper operation. Adjusted emergency gear pull cable for proper operation.
				Drained left side fuel tank, removed left fuel boost pump and installed overhauled pump from Aircraft Accs, P/N 2B7-29. Completed installation test of Inlet float valves, all passed. Test fuel pump and fuel system, function properly. Removed left and
				right side fuel bay dry area inspection panels, cleaned under wing area and paint area and panels to match. Removed left side
				waste gate and sent to Aircraft Accs, for repair. Removed complete exhaust system from Slip joints aft for completion of AD 00-
				01-16, Para G. 12 year or 2500 Hours. Sent to Aerospace welding Minneapolis, INC for overhaul and reinstalled completed
				system with new clamps, bolts and nuts. Removed and installed new elevator trim assembly forward and aft bolt, nut and pin
				as per AD 16-17-08. Removed Heater combustion fan, installed new D&C combustion fan from Herold Haskins Inc. Inspected
				heater for proper operation and inspected heater regulator for fuel leaks, none noted. Inspected pilots side windshield for
				delamination, found windshield delamination within limits of Cessna 414A service manual. Drilled out and replaced 5 loose
				rivets on left side elevator top skin. Replaced left prop deicer boot on blade, P/N 4E1601-10.
				Test flight aircraft for proper systems check, all functions appear normal.
				Cert# A48 3602934
				Ed Allen
				C/W AD 00-01-16 Exhaust. Complied with Section B,C,D,E and G
				C/W AD 95-09-13 Inlet float valves, Due every 600 hours.
				C/W AD2004-25-16 R1, No fuel leakage noted.
				C/W AD 16-17-08, Para F (2) Elevator trim tab assembly. Due every 110 TIS/12 months
				AD 17-10-09 N/A
				AD 18-03-05R1 due at TIS 15000. Hours
				Checked and complied with all AD's through 10/4/2018, all work accomplished per Cessna 414A Service Manual. Checked POH
				for up to Date POH.
				I certify that this aircraft has been inspected and accordance with an annual inspection and was determined to be in airworthy
				condition. Approved for return to service.
				- Cert # A 430288276
				Tim Rogers))
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802 Airport Rd. Hangar 5 Springdale, AR 72764

Twelve Stone Aviation, LLC

DATE					NORK
				Cessna 414A S/N 414A-0608 N2702L	
or to		10/5/201	8 (New Hobb	os Time 994.8) Total Time 5330.8	
- 1		Due to Ma	intenance Hob	obs meter is corrected as follows.	
		New Hobb	s time is 994.8	3. Total time on Aircraft is the same as above reading. 5330.8	
	• •	0	ZN	cert#_AGD 3602934	
		Ed Allen			
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	LOG ID# 12	nternational, i 227 15-Janu S/N 414A0600	ary-2019 WC	port Rd. Hangar A-18 Hot Springs, AR 71913 XKWR110B O# 3376/1 REF# 3376 414A	Pg 1 / 1
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ţ	DISCREPANCY	: GTX-345, 9	1.411 & 91.4	13	
, , ,	MANUAL .			13 SPONDER IN ACCORDANCE WITH CURRENT GARMIN AML/STC INSTALLA 7 DATED 01/15/2019.	TION
	FOR FURTHER TESTED PILO TO AN ATLTI	DETAILS SEE T'S ALTIMETE TUDE OF 35.0	FAA FORM 33 R P/N 43300-	7 DATED 01/15/2019. 61288 S/N 3554 IAW FAR 91.411, PART 43 OF APPENDIX E	Y.
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ge No	TOTAL TIME	TOTAL TIME	TACH OR RECORDING	DESCRIPTION OF WORK PERFORM	IED—
57.12	SERVICE	SINCE OVERHAUL	METER TIME	SIGNATURE & CERTIFICATE NO. OF PERSON PER	FORMING WORK
				TOTALS brought forward from previous page	
	H SS PP T C A	leater Hobbs: erviced brake erformed retrested ELT performed with D16-17-08, I certify that the	252.2 Hote and hydraul action check. Fr FAR 91.20 the followin Elevator trim his airframe hoer FAR 43 A	92 nd WEST AVIATION, INC. 1423 Lingo Road Lonoke, AR 72086 (501) 658-9092 4A N2702L bbs: 1100.2 Total Time 5436.2 ic system. Inspected and repacked all wheel bearings. Lubricated all flight control hinge points. 7(d). g Aircraft Directives: assembly, next due 5546.2 TT or Mar 2021 as been inspected in accordance with an Annual expendix D and thereby determined to be in a condition	
				Donald R. Adamson A&P 3528389 IA	, A
	-				
		9211	West Ekviation INC	92 nd WEST AVIATION, INC. 1423 Lingo Road Lonoke, AR 72086 (501) 658-9092	
	F h	Heater Hobbs: Serviced brake Performed retry Sydraulic filte ested ELT pe AD16-17-08,	e and hydraul raction check rs, replaced a r FAR 91.207 Elevator trim	bbs: 1232.9 Total Time 5568.9 lic system. Inspected and repacked all wheel bearings. Lubricated all flight control hinge points. Replaced ir filters. Replaced ELT battery, next due July 2023, 7(d). Complied with the following Aircraft Directives: assembly, next due 5678.9 TT or May 2022	
	I		per FAR 43 A	Appendix D and thereby determined to be in a condition Donald R. Adamson A&P 3528389 IA	-
				Donald R. Adamson Act 3320307 IA	
	-				
				SUB-TOTALS this page	
ŀ				TOTALS—Carry forward to next page	

No				
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
_	Edmonds	Aviation, LLC	- 2615 S. Mair	in St Edwards twistion LLC 2615 S Main St
		y, AR 72143 -		Euminius Avianon, EEC - 2013 St. Main St.
Re-	NETTEL Make: Cos			Searcy, AR /2145 - 8/0-217-9300
_				W/Os: Coss Make: Cessna Model: 414A Serial# 414A0008 W/Os: Coss 4 CFR Part 43 Appendix Each State Pressure System cach Altimeter and each Automatic Pressure Altitude Reporting System
F, as requ	ared by 14 CFR Part 91	413 der#1 P/N GTX345	3EG025678	has been tested and found to comply with 14 CFR Part 43 Appendix E, as required by 14 CFR Part
		der #1 P/N NA	SNNA	91 411 Tested to 30K ft Altumeter #1 P/N 4330 61286 S/N 3554 Altumeter #2 P/N 5934PA-1 S/N 4A433
				Encoder #1 P/N 4300-61288 S/N 3554 Encoder #2 P/N NA S/N NA
		1/		24.5
-	- John	PUC	05/10/2021	05/10/2021
	Sup	med C.R.S # 34LR157	D Date	Signed C R.S. # 34LR157D Date
				EA029
		pa		
	+	-	-	
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	1		1	
				INTERIORS UNLIMITED, INC.
				5604 Philip J. Rhoads Ave.
				Wiley Post Airport, Hanger #3
				Bethany, OK 73008
				below was repaired and inspected in accordance with current Federal Aviation
				hy for return to service.
	We	ork Order No.	. 1- 1055	FAA Certificate# A-3142113
	Tach Time	:	,	Cessna 414A
	S/N- 414A0			N2702L
	Mil	made	/////w	July 6, 2021
	1000	Authorized I		Date
	Signature of	Authorized J	dividual	Date
	Make and in	stall new cabir	window curta	tains and divider privacy curtains. All materials used meet or exceed FAR 25.853(a)
	Appendix F	Part I (a) (I), (ii).	
	- Curtain Fabr	ric.		Space – Moon G. Baker Steeves Corp.
	Curtain rabi	ic.		Space - Moon
	T			
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				SUB-TOTALS this page
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je No					
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFO SIGNATURE & CERTIFICATE NO. OF PERSON F	
				TOTALS brought forward from previous page	
Waco CRS Non above and fairir aircraft hydrauli propelle several of Installed inspection (FAA/P) instrume electrical Installed 410. (Sonew mai camber plants and the camber plan	Karl May Dr. No. AK6R541N No. AK6R541N No. AK6R541N No. AK6R541N No. AK6R541N No. AK6R541N No. Checked lighting and el ic lines and fit ir, model P/N ducts, etc. Instal d new upper en on due at 1290 MA RAM.) I ent panel. Instal il problem with d correct placar ee tag.) Instal in and nose tire per Service Ma I new air condi and treated in lenum duct. C -16(R1) per M.) All A.D.'s ions, Inc. 100 I 256	d all flight con lectrical. Ran ttings. Install PHC-C3YF-2 talled wiring k ttry door exten 6.1 HM.) (Pa Installed new alled new pilot i lights and installed new nose es. Replaced r inuel. Reseale itioner system AFT wheel w CW A.D. 2016 MEB01-5. (No researched thr	ed inspection platrols for security gear retraction led RAM overhuf, S/N EB15-cits, P/N's SK42 ader, P/N 52113 aragraph (g) due left pilot's rud to and co-pilots a stalled new day/er ports. Reseal gear uplock act rivets for skin at ad nose strut assembly hydraulic filter. The laccess pane 6-17-08 per instead ough bi-weekly rough bi-weekly	lates and panels for Annual/100 Hour Inspections. Checked and movement. Inspected all wing, tail and landing geat test per Cessna Service Manual. Inspected wheels, tires hauled engine, S/N 514121, on left side. (See engine et 42 on left side. Troubleshot pressurization and correcte 21-119B3 and SK421-119B1 for heated glass PPG winds 169-11. C/W A.D. 2000-01-16 per paragraph (b), (c), (d) at 7830.8 Aircraft TT or 10/2030.) Installed new left produce return spring. Installed inner cables for both warm air vents. Installed Rosen visor system per STC SA5137N (right switch. C/W A.D. 87-21-02(R1) per installation of 12 led all gear uplock actuators. Installed nose gear main at tuator forward support channel. Installed new brake discit lower wings and around gear door hinges as needed. Act sembly. Installed new right main gear door hinge pin. Cleft. Installed new central vacuum filter. Installed both new 12 areas. Repaired fuel leak at outboard right wing access tallation of new elevator trim tab rod hardware. (Next du 6.1 HM.) ELT unit tested per FAR 91.207(d) required 2021-19. All above work done in accordance with 414 klist. Aircraft approved for return to service. Pertinent declaration of the service of t	r attach points. Inspected all and brakes. Inspected fuel, antry.) Installed overhauled ed leaks per replacement of hield and ops checked good, and (e). (Paragraph (b) next opeller cable, P/N 1220-25, n air pressure on co-pilot's IM. (See 337.) Troubleshot fuel filler port restrictor kits. ctuator P/N 9910139-3, S/N is and pad linings. Installed djusted wheel alignment and eaned and treated flap wells. Installed new lower the at 1356 HM.) C/W A.D. ements. (Battery next due 4A Service Manual and Air
		IR IMPRESSION			
		7929 Kar Waco, Te	rl May Dr. xas 76708 AK6R541N	I certify this <u>Aircraft</u> has been inspected in accordance with a Annual	
				Inspected in accordance with a Annual Inspection/100 Hour Inspection and has been determined to be in an airworthy condition.	*
				DATE 10/04/2021 HM 1246.1 AIRCRAFT TT 5826.1 WORK ORDER #5256	
	,			SIGNED AIR IMPRESSIONS, INC REPAIR STATION # AK6R541N	

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WO SIGNATURE & CERTIFICATE NO. C		
				TOTALS brought forward from previous	page	
MAKE Cessn	A		Supervised wor side panels, he original manufi Carpet passed Leather passed Leather passed Fabric passed C Headliner pass Appx F Part I(a) (a)Amdt 25-11: In respect to w	na 414 N2702L Time	A	TE: 10/21/2022 /C TSN: 1319.3 HOBBS: 644.8
S/N: 414A060 REG NO: N2 WORK ORDE	8 702L :R 0692	Aircraft 913X	mier Service	3804 Falcon Way W Hangar 18S Fort Worth, TX 76106 Phone: 562 881 5345		HOBBS: 644.8
DATE: 10/2	1/2022	SIG	NED:		Worl	k Order: 0692
D/112. 10/2			d Cox, License AP3		Printed by EBis 3 (date	comedia.com)
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