

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**AIRFRAME
MAINTENANCE
RECORDS**



AIRFRAME MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N 52578

Aircraft Mfg. CESNA Model 177RG Serial No. 177RG1207

Engine Mfg. LYCOMING Model I0-360 A1B6D Serial No. L-17290-51A

Engine Mfg. _____ Model _____ Serial No. _____

Propeller Mfg. Mc CAULEY Model _____ Serial No. _____

Hub Design No. B2D34C207 Hub Serial No. 772451

Blade Design No. 78TCA-0 Blade Serial No's. B 72647

B 72641

Propeller Mfg. _____ Model _____ Serial No. _____

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

(All applicable information must be filled in)





Handled by Jan
ALPHIN AIRCRAFT INC.

2613 PENNSYLVANIA AVE. HAGERSTOWN, MD. 21740

301-733-7604

January 9, 1985

Mr. Jerry Shafer
AFNAF Purchasing Office
P. O. Box 248
Randolph AFB, TX. 78148

RE: N52578

MAKE/MODEL: Cessna 177RG
W. O. #8411720

Dear Mr. Shafer:

Alphin Aircraft, Inc.'s charge for repairs to the above numbered aircraft for damages sustained in a gear-up landing is \$4754.00.

Repairs were as follows:

- ALL SHEET METAL REPAIRS AS STATED ON YOUR ORDER #F41999-85-M-0348
- REPLACED ALL ANTENNAS ON THE BELLY & THE BELLY DRAIN FAIRING. REPLACED TAIL SKID & EYE BOLT.
- REPLACED THE LEFT AND RIGHT INBOARD STRINGERS BETWEEN THE OUTER SKIN & FLOOR.
- REPAINTED AREAS NEEDED.

If you have any questions regarding this invoice, do not hesitate to contact me.

Sincerely,

ALPHIN AIRCRAFT, INC.

James R. Alphin
James R. Alphin
Vice President

JRA/lb
cc

PAID

...the aircraft...
 reverse side for the put...
 on the reverse...
 of certificate: (1) Carrying...
 persons not essential to...

...of ownership...
 expiration of the warranty, the failed battery will be replaced charging only...
 will be repaired or replaced free of charge. After 90 days but prior to the...
 on the battery, it will be replaced based on the list price at the time of replace-

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			
16 NOV 84	1452		ACFT. INSPECTED & FOUND TO BE IN
			AIRWORTHY CONDITION FOR A ONE TIME
			FLIGHT FROM ANDREWS AFB MD TO
			ALPHIN HAGERSTOWN MD
			Michael O. Hanson AIP 265681971
19 Nov 84	1452		Installed Aircraft BATTERY S/N CBC 13244
			CONCORDE. OLD BATTERY HYDRO READINGS WERE BAD.
			Rick A. Long AIP 205402687
30 JAN 85	1455.2	1455.2	LANDING GEAR RETRACTED 4 TIMES
			WITH 1 EMERG. EXTENSION, LUBED
			LANDING GEAR AND ALL FLT CONT. BRK
			CRANKS, ROD ENDS, PULLYS & HINGERS, SERVO,
			BATT. AND HYD. SYSTEMS. THIS INSP.
			ACCOMPLISHED AFTER GEAR UP LANDING
			AND MAJOR REPAIR BY ALPHIN ACFT. INC.
			2613 PENNSYLVANIA AVE HAGERSTOWN MD
			MD 21740 (301) 733-7604 — w/o # 8411720
			30 JAN 85 TACH. 1455.2 TOTAL 1455.0
			I CERTIFY THAT THIS ACFT/ENG. HAS BEEN INSP.
			IAW ANNUAL INSP. AND WAS DETERMINED
			TO BE IN AIRWORTHY COND.
			Michael O. Hanson IA 265681971

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7 MAY 85	1553.5	1553.5	LANDING GEAR RETRACTED 4 TIMES WITH 1 EMERGENCY EXTENSION, LUBED ALL FAT CONTROL PULLEYS, BELLCRANKS, ROD ENDS, HINGES AND LANDING GEARS, SERVICED TIRES AND BATTERY. REPLACED ALL BRAKE PADS AND PACKED WHEEL BEARINGS, SERVICED HYD. SYSTEM.
			I CERTIFY THAT THIS ACFT HAS BEEN INSP. I/A/W A <u>100</u> INSP. AND HAS BEEN FOUND TO BE IN AIRWORTHY COND. <i>Kenneth Pennington</i> 264583027
11 MAY 85	1554.5		REPLACED ELT BATTERY, ELT ops OK Good NEW BATTERY Replacement Due MAY 1987 <i>Paul A. Lantry</i> AMP 205402687
7 AUG 85	1653.9	1653.9	Retracted Landing gear 4 Times with 1 emergency Extension, Lubed All FAT control Pulleys, bellcranks, Rod ends and Hinges and Landing gears. Serviced Tires and Battery. Replaced All brake pads, and serviced to Brake master cylinders, LH BRAKE CYL. REPLACED, BRAKE BLEED.
			I CERTIFY THAT THIS ACFT HAS BEEN INSP. I/A/W A <u>100</u> INSP. AND HAS BEEN FOUND TO BE IN AIRWORTHY COND. <i>Michael O. Hansen</i> AMP 265681971

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18 Oct 85	1742.1		Replaced Fuel Flow + Manifold pressure gage. Ground run-up operation check good. John G. Allen AIP 579-96-1011
24 Oct 85	1750.0	1750.0	Retracted Landing Gear "4" Times with one Emergency extension, Lubed Landing Gear, All FLT control Hinges, pulleys, bellcranks + pushrods serviced Tires & battery. Replaced Left Inbd brake pad.
			I CERTIFY THAT THIS ACFT HAS BEEN INSP. T/A/W A <u>100 HR</u> INSP. AND HAS BEEN FOUND TO BE IN AIRWORTHY COND.
			Richard O. Lutz AIP 205402687
27 Nov 85	TACH 1810		Drained + Serv. 8 QTS of MIL-L-22851 OIL Removed insp. and replaced Oil Filter. Engine Ground runs Good. John G. Replaced Right main tire and lubed main Bearing. John G. Allen AIP 579-96-1011

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30 JAN 86	1868.7	1868.7	WASHED AIRCRAFT, LAND GEAR RETRACTED 3 TIMES, OVR VEMKRG, EXTENSION, LUBED LAND GEAR, PUMP TRACKS, AND ALL FLT. CONTROL PULLYS, BELLCRANKS, PUSH RODS AND HINGES, INSTALLED NEW FELCO FAB ROD AND, SERVO BRAKES, TIRES & SHIMMY DAMPER & BATTERY
			I CERTIFY THAT THIS ACFT HAS BEEN INSP. I/A/W A <u>100 HR</u> INSP. AND HAS BEEN FOUND TO BE IN AIRWORTHY COND. <i>P. Smith</i> AIP 571 926286
30 JAN 86	1868.7	1868.7	ALL MINOR DISCREPANCIES CLEARED AT THIS TIME.
			30 JAN 86 TACH. 1868.7 TOTAL 1868.7 I CERTIFY THAT THIS ACFT/ENG. HAS BEEN INSP. IAW A <u>ANNUAL</u> INSP. AND WAS DETERMINED TO BE IN AIRWORTHY COND. <i>Michael O'Hara</i> IA 26568197
28 MAR 86	1946.6	1946.6	WASHED AIRCRAFT. LANDING gear cycled 3 Times normally and then extended with the emergency system. Rotated RIGHT main tire, Replaced Left main tire. Replaced Left MBD Brake Pad. Lubed ALL wheel bearings, landing gear, FLAP TRACKS, AND FLIGHT CONTROL PUSH RODS BELL CRANKS AND HINGES. Serviced Brake Reservoirs, Battery, and Tires.
			Date <u>28 MAR 86</u> T.T. (L) _____ (R) _____ W.O. _____ I certify that this AC/Eng. has been inspected in accordance with a <u>100 hr</u> inspection & has been found airworthy. Sig. <i>Kenneth P. Hannegan</i> Cert. # <u>204583027</u>

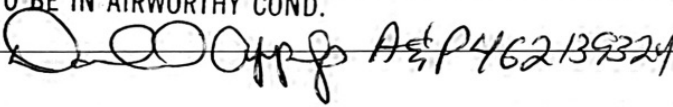
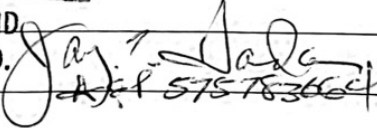
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10 Jun 86	2048.8	2048.8	WASHED AIRCRAFT. Lubed Landing gear, nose wheel
	2048.9		BEARINGS, FLAP TRACKS, AND FLIGHT CONTROL pushrods,
	2048.9	2048.9	BELL CRANKS, PULLEYS, AND HINGES, REPLACED
			FLAP GEAR BOX, ONE NOSE WHEEL BEARING, ALL BRAKE
			PADS, NOSE GEAR FOLLOWUP ROD AND STABILATOR MOUNT
			BUSHINGS. cycled gear 3 times normally and extended
			gear with emergency system. Replaced warning horn
			actuator. Serviced brake reservoirs, battery, and tires.
			I CERTIFY THAT THIS ACFT HAS BEEN INSP. I/A/W A <u>100 hr</u>
			INSP. AND HAS BEEN FOUND TO BE IN AIRWORTHY COND.
			<i>Kenneth D. Hanrahan</i> AWP 264583027
15 Aug 86	2142.8	2142.8	Washed A/C. Lubed Landing gear, nose wheel
			bearing, Flap tracks, and Flight control,
			pushrods, Bellcranks, pulleys, and hinges.
			Serviced tires and battery. Cycled
			gear 3 times normally and extended
			gear with emergency system.
			I CERTIFY THAT THIS ACFT HAS BEEN INSP. I/A/W A <u>100 hr.</u>
			INSP. AND HAS BEEN FOUND TO BE IN AIRWORTHY COND.
			<i>Sam P. Smith</i> AWP 571926286
20 Nov. 86	2242.0	2242.0	ROTATED LH. MAIN TIRE, REPLACED RT. MAIN TIRE & NOSE TIRE,
			REPLACED ALL BRAKE PADS AND PACKED ALL WHEEL
			BEARINGS. SERVICED TIRES. <i>Regis J. Amrhein</i>
			FA 196-36-4621
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21 Nov 86	2242.0	2242.0	Washed HCFT. Lubed landing gear, nose wheel bearings, flap tracks & flt. control units. (C-pulley-Bell cranks & hinges) Serviced tires & battery cycled gear 3 Times Normally and Extended gear with Emergency System. All system OK I CERTIFY THAT THIS ACFT HAS BEEN INS. IAW A <u>100 HR</u> INS. AND HAS BEEN FOUND TO BE IN AIRWORTHY COND. <i>Robert F Brettman</i> <u>47248078</u>
24 Nov 86	2242.0		COMPLIED WITH SERVICE BULLETIN SEB 86-5 INSTALLED PLACARDS ON FWD INST. PANEL <i>Regis J. Amrhein</i> IA 196-36-4621
27 MAR 87	2298.1	2298.1	INSPECTED AIRFRAME, LUBED ALL FLT. CONTROL PULLEYS, BELLCRANKS, ROD ENDS, HINGES, MAIN AND NOSE LANDING GEARS AND PACKED ALL WHEEL BEARINGS. SERVICED TIRES, BATTERY, BRAKE RESVOIR AND HYD. RESVOIR. RETRACTED GEAR 3 TIMES WITH EMERGENCY EXTENSION. I CERTIFY THAT THIS ACFT HAS BEEN INS. IAW A <u>100</u> INS. AND HAS BEEN FOUND TO BE IN AIRWORTHY COND. <i>Admiral Red Downey</i> AEP 587783175
27 MAR 87	2298.1	2298.1	ALL MINOR DISCREPANCIES CORRECTED AT THIS TIME I CERTIFY THAT THIS ACFT HAS BEEN INS. IAW A <u>ANNUAL</u> INS. AND HAS BEEN FOUND TO BE IN AIRWORTHY COND. <i>Regis J. Amrhein</i> IA 196-36-4621

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9 Jul 87	2397.8	2397.8	Inspected Airframe, Lubed all fctr control Pulleys, bellcranks, Rod ends hinges, nose and main landing gear. Repacked wheel bearings, rotated Lt, main tire serviced tires, Battery, Brake & Hyd. Reservoirs, retracted gear 3 times with 1 emerg. extension. Replaced Lt outboard Brake pad.
			I CERTIFY THAT THIS ACFT HAS BEEN INSP. I/A/W A <u>100 Hr</u> INSP. AND HAS BEEN FOUND TO BE IN AIRWORTHY COND. 
	2490.4	2490.4	Inspected Airframe, Lubed ALL fctr control Pulleys, bellcranks, Rod ends, hinges, Nose & main landing gear, Repacked all wheel bearings, Rotated RT main tire, Replaced Lt main tire & tube, serviced all tires Replaced RT Inboard & outboard Brake pads. serviced Brake Resvoir & Hydr Resvoir, retracted gear 3 times with 1 emerg. extension I CERTIFY THAT THIS ACFT HAS BEEN INSP. I/A/W A <u>100 Hr</u> INSP. AND HAS BEEN FOUND TO BE IN AIRWORTHY COND. 

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11 Feb. 88	2586.9	2586.9	<p>Inspected airframe, lubed all flight control, pulleys, bellcranks, rod ends, hinges, landing gear and wheel bearings. Replaced rt. main tire, left outboard brake, serviced battery, tires and hydraulic reservoirs, replaced elevator trim actuator screw, bld brakes replaced, beacon flashing unit, nav. light switch left strobe flasher and altimeter. Retracted and extended gear 3 times normal and 2 emergency extensions.</p> <p>I CERTIFY THAT THIS ACFT HAS BEEN INSP. I/A/W A <u>annual</u> INSP. AND HAS BEEN FOUND TO BE IN AIRWORTHY COND. <i>Regis J. Anshelm</i> IA 196-36-4621</p>
17 MAY 88	2683.1	2693.1	<p>Inspected Air frame, Lubed All flight control pulleys, bellcranks, rod ends, hinges, landing gear, Rotated RT main gear and Repacked Bearings, Replaced Nose Tire and Repacked Bearing Replaced Right hand wheel bearing and Bearing cup. Replaced All brake pads, serviced Hydraulic reservoirs, battery, tires. Replaced Hyd. pump pressure switch. Retracted and extended gear 3 times normal and 2 emergency extensions.</p> <p>I CERTIFY THAT THIS ACFT HAS BEEN INSP. I/A/W A <u>100 hr</u> INSP. AND HAS BEEN FOUND TO BE IN AIRWORTHY COND. <i>Abdul R. Downey</i> A# 587983175</p>

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10/14/88	2732		<p>REMOVED, CLEANED & GREASED TRIM TAB JACK SCREW ACTUATOR, REINSTALLED & RIGGED I/A/W CESSNA MAINT. MANUAL. THE AIRCRAFT AND/OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND WAS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER # <u>4442</u> AUTHORIZED SIGNATURE <u>C.E. Schramm</u> TACH TIME <u>2732</u> DULLES AVIATION, INC. MANASSAS MUNICIPAL MANASSAS, VA 22110 AIRPORT, REPAIR STATION #127-29</p>
3/10/89	2735.0		<p>Inspected IAW Cessna Inspection Guidelines Serviced nose strut with Nitrogen Repaired fuel strainer with new inlet fitting. Repaired LH fuel Res. drain valve with new plunger and O-rings Replaced aileron Auto pilot pulley Replaced RH Fwd Rod end. C/W AD 88-12-12 fuel strainer by installing drain kit see 337 this date C/W AD 76-07-12 Bendix IGV switch by an operational check C/W AD 87-20-0321 seat rails by dimensional check. Ops check normal this date</p> <p>I CERTIFY THAT THIS <u>Airframe</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AN <u>Airworthy</u> CONDITION. AUTHORIZED SIGNATURE <u>D. Nash</u> DATE <u>3/10/89</u> RECORDED TIME <u>2735.0</u> DULLES AVIATION, INC. MANASSAS MUNICIPAL AIRPORT MANASSAS VA 22110 REPAIR STATION #127-29</p>

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8-12-89			Removed, charged, added water, reinstalled battery. Both VHF radios & CDI's serviced by Professional Flight Service - Maryland Airport. - Benjie Jones
12-26-89			Altimeter, Static System, Transponder, Encoder. Checked per Part 43. Altimeter overhauled. Encoder adjusted. Repaired Transponder.
<p>ACW <u>52578</u> Date <u>12-26-89</u></p> <p>THE FOLLOWING ALTIMETER AND TRANSPONDER SYSTEM TESTS REQUIRED BY FAR 91.171/91.172 HAVE BEEN PERFORMED. ALL PARAMETERS TESTED AND CHECK GOOD IAW METHODS DESCRIBED IN FAR PART 43 APPENDIX E/F</p> <p>ALTIMETER TESTED TO <u>20,000</u> FT. CRS322-53 ENCODER DATA TESTED TO <u>11000</u> FT. CRS162-10 STATIC LEAK TEST PERFORMED TRANSPONDER BIENNIAL TESTED</p> <p>NEXT TESTS DUE <u>1 Jan 92</u></p> <p>SIGNED <u>[Signature]</u></p> <p>AVIONICS TECHNOLOGY CORPORATION MANASSAS MUNICIPAL AIRPORT CRS 162-12</p>			
3/28/90	2792.7		INSPECTED IN ACCORDANCE WITH CESSNA CHECKLIST. COMPLIED WITH A.D. 87-20-03R4 (INSPECTION OF SEATS & RAILS) NEXT INSP. DUE: 2892.7. c/w A.D. 76-07-12 (BENDIX MAG SWITCH FUNCTION OK.) NEXT INSP DUE: 2892.7. REPLACED SEVERAL INTERIOR LIGHTS, LUBED PROP CONTROL. REPLACED INDUCTION AIR FILTER. REPLACED LEFT LWR. ENGINE MOUNT BOLT. REPAIRED CRACK IN LT MUFFLER. REPLACED ELT BATTERY NEW DATE <u>NOV-91</u> REPLACED VACUUM REG. FILTER. (SEE NEXT PAGE) →

ELT BATTERY
DUE 11-91

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3/28/90	2792.7		(CONT.) → SECURED ROLL PINS IN PILOTS SEAT ADJUST LINKAGE. REMOVED BIRDS NEST IN TAIL. RE-SEALED NOSE STRUT. REPLACED LT LOWER CONTROL MOUNT. REPLACED NOSE GEAR BUMPER. REPLACED OUTBOARD WHEEL BEARINGS & RACES ON BOTH ^{MAIN} WHEEL. REPAIRED WIRING TO FUEL SELECTOR LIGHT, SER# W20#531 FOR DETAILS I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AN <u>AIRWORTHY</u> CONDITION. AUTHORIZED SIGNATURE: <i>[Signature]</i> A 215221 DATE: <u>3/28/90</u> RECORDED TIME: <u>2792.7</u> DULLES AVIATION, INC. MANASSAS MUNICIPAL AIRPORT MANASSAS VA 22110
6/4/91	2822.3		INSPECTED I.A.W. CESSNA 177 INSP. CHECK-LIST. c/w A.D. 76-07-12 SWITCH OIL NEXT INSP DUE: 2922. c/w AD 87-20-03122 BY VISUAL & DIMENSIONAL INSP - ALL PARTS WITHIN LIMITS. NEXT INSP DUE - 2922. c/w AD 90-09-06 BY VISUAL INSP. NO DEFECTS FOUND NEXT INSP DUE: AT OIL LINE REMOVAL. REMOVED BIRDS NEST FROM TAIL SECTION & CLEANED AREA. REPLACED LT MAIN TIRE & BRAKE LININGS. REPAIRED ALL WHEEL BEARINGS (SEE NEXT PAGE) →
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		2822.3	(CONT.) → REPLACED ENGINE BUFFLE SEALS. REMOVED, CLEANED, RESEALED WITH APPROVED SEALANT, & REINSTALLED RETURN WING FUEL TANK ACCESS COVERS. REPLACED CABIN HEAT SEAT DUCT. REPLACED SEAL & CLAMP ON BEACON. REPAIRED SMALL CRACK IN FIN TIP PAIRING. STOP-DRILLED CRACK IN RUDDER CAP. DRILLED OUT & REPLACED MANY ACCESS PANEL SCREWS. REPLACED RUBBER BUMPER ON NOSE GEAR DOOR. SERVICED HYD POWER PACK. REPOSITIONED P/PACK RETURN LINE. REMOVED WASP NEST FROM UNDER COCKPIT FLOOR. CLEANED & LUBED GEAR DOWNLOCKS. SERVICED BODY MASTER CYLS. SECURED LOOSE WIRING BEHIND PANEL. REPLACED COMPASS CORRECTION CARD. REPAIRED NOSE GEAR SWITCH WIRING. WASH OUT AREA BELOW FLOOR. INSTALLED CESSNA KIT # SK177-42A (SECONDARY SEAT STOPS) E.A.W. SB892. REPLACED 4 COUPLING MOUNTS. INSTALLED ANTI-THEFT SWITCH IN STARTER CONTACTOR CIRCUIT. SEE 337 THIS DATE (SEE 337) WITH FIELD APPROVAL. SEE # WD5733 FOR DETAILS.
			I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. AUTHORIZED SIGNATURE: <i>R. Nally</i> DATE: 6/4/91 RECORDED TIME: 2822.3 DULLES AVIATION, INC. MANASSAS MUNICIPAL AIRPORT MANASSAS VA 22110 REPAIR STATION 1B1R931E

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7/10/92		2842.9	<p>Inspected I.A.W. Cessna 177 RG inspection guidelines and check lists.</p> <p>Replaced: Rt. cowl flap cable, static discharge wick at left aileron, vacuum relief filter, Alt. noise suppressor, Alt drive belt.</p> <p>Removed: Mud dobbers nest from Rt wing fuel tank vent, birds nest & droppings from tail & Rt stabilizer. Retensioned rudder cable (30 lbs). Adjusted trim tab stop blocks to achieve correct travel (up 5°, down 13°). Cleaned corrosion from ground and terminals of stall warning units. Repaired cracks in exhaust stacks Cyls #2 & #4, left & right mufflers. Replaced (1) cowl shock mount at approx 9 o'clock position. Installed new bracket air filter element. Replaced Rt main tire and inner tube, cleaned, inspected and packed all wheel bearings. Replaced Rt main brake pads and left & right main gear flexible brake hoses (old hoses dryrotted), bleed brake system & serviced master cylinders w/ 5606. Serviced and charged battery. Removed main gear actuator (leaking fluid past seals), disassembled, cleaned and inspected, replaced all O-rings, packings & back-up rings, reassembled and installed. C/W SEB92-8, replaced hyd hoses (gear) w/ new cessna parts: Main's (2) \$2888-4-0104 nose (1) \$2888-4-0150 & (1) \$2888-4-0134. Replaced worn nose gear drag link pivot bolts w/ new (1) 2043015-5 & (1) 2043015-6. Lubricated nose and main gear pivot points. Performed 5 fault-free gear swings, both normal & emergency.</p> <p>Removed prop, McCauley Model # B2D34C207-B, S/N 841009 and governor Model # C290D3-C/T12 S/N 771184 for O/H.</p> <p>Reinstalled Original governor. Reinstalled McCauley prop same model Model # B2D34C207, S/N 742821, see prop log for maintenance releases. See next page.</p>
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SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

No. _____

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7/10/92	2842.9		<p>C/W A.D. 76-7-12 r1 by function check of Switch, No defects noted, Next insp due: 2942.9 C/W A.D. 87-20-3 r2 by Visual & diam. Insp, No defects noted, Next insp due: 2942.9 C/W A.D. 90-04-06 r1 by replacement of line (P/N LW-12920) See engine log, ELT. opps checked good. All work done I.A.w. 177 RG M/M. For details See w.o. # 6582.</p>
			<p>I CERTIFY THAT THIS Airframe HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND WAS DETERMINED TO BE IN AN Airworthy CONDITION. AUTHORIZED SIGNATURE <i>W. J. Mow</i> DATE 7/10/92 RECORDED TIME 2842.9 DULLES AVIATION, INC. MANASSAS MUNICIPAL AIRPORT MANASSAS VA 22110 REPAIR STATION 1B1R931F</p>
Nov 3 1992	2901.6		<p>Replaced nose gear up + down indication switches. Set up and down lock tensions to book specs. Reinstalled Hyd power Pack after overhaul. Reinstalled landing gear selector after overhaul. Serviced Hyd system. Leak checked okay. Replaced upper Tc link bolt. Rigged system to air aircraft maint. manual. Replaced speaker. Replaced Taxi light. All work was completed I/A/w Cessna 177RG maint manual.</p>

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1-27-93		2929.7	REMOVED HORIZON GYRO S/N T291241 AND REINSTALLED AFTER OVERHAUL BY CR5# 0Y1R391 W/O # 0125-2 Success 2257872
3-15-93		2937.3	Inspected I.A.W. Cessna 177RG inspection guideline, Cleaned bowl Reinstalled with new Orings & leak checked, lube flight controls, Replaced nose wheel bearings & cotter pin nut, Repacked main wheel bearings and cotter pinned, Replaced Alternator note: yellow tack, Replaced Alternator Regulator and noise filter, Replaced master switch, Installed new Battery Box & cover, Replace A/c Battery with Gill 35, Replaced Battery master Relay, Replace External Power Diode fuse Assembly, Replaced battery ground strap, Replaced Lt & Rt Cowl flap Hinges, Replace both Half Lt & Rt nose gear door Hinges, Replaced Instrument Regulator Filter, Replaced Aft Rt: forward Lt Actions Rod Ends, Service Hydraulic Power pack with S606, Check gear rigging - nose o.k - adjusted down locks on mains, Corrosion Block entire A/c with Acf50, Replace Brake linings Lt main, Installed new stabilator control Arm steel brackets with Hi-Locks and c/w SB-889-1 stabilator control Arm brackets, c/w by Insp AD 76-7-12 Ing switch, c/w by Insp AD 87-20-3 seat Rails. All work, as per manufacturer recommendations
			I certify that this Airframe has been Inspected in accordance with a 100hour Inspection and was determined to be in Airworthy condition

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3-15-93
Shul & walk A&P #4278493
See next page ->

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			
3-15-93	2937.3		<p>I certify this aircraft was inspected <u>T/AFU</u> on <u>Annual</u> inspection and was determined to be in <u>airworthy</u> condition.</p> <p>All AD's check to date. TACH 2937.3 Date 3-15-93</p> <p><i>Jff/W. Woodard 229-17-8336 I.A.</i></p>
5-28-93	2778.0		<p>Removed landing gear power pack</p> <p>Reinstalled landing gear power pack after repairs serviced hyd. system.</p> <p>Leak checked. Completed 5 gear cycles and one emergency extension. All functions checked normal. All work completed <u>T/AFU</u> main manual.</p> <p><i>Jff/W. Woodard 229-17-8336 AAF</i></p>
6-29-93	Tach	2785.7	<p>Repaired nose wheel door, installed new door hinge, installed new door clevis, crommet turnbuckles, change oil & filter, safety & leak checked o.k., was serviced with 8 quarts 100w AIS</p> <p>All as per manufacturer recommendation</p> <p><i>Deid F walk APL 242278493</i></p>
8-11-93	Tach	3025.7	<p>Replaced oil pressure switch for Hobbs & leak check</p> <p><i>Deid F walk APL 242272693</i></p>

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MAINTENANCE RELEASE

The Aircraft Component identified below was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this Agency under

OVERHAULED UNIT

SERVICEABLE

W/O No.: **AH - 3913**

S/N: **AH - 3138**

MFR: S/N

Part: **105932-B/W/MANI. & FITTINGS**

Name: **HYDRAULIC POWER PACK**

MFR: **PRESTOLITE**

Service Bulletin Accomplished:

Date: **MAY 26 1993**

Overhauled by:

Signed:

AERO ELECTRIC, INC.
3414 WEST 29th SOUTH
WICHITA, KANSAS 67217



AH - 3913

**F.A.A. CERTIFICATE
NO. NV2RO45L**



WARRANTY APPLICATION

FAA CERTIFIED REPAIR STATION NV2RO45L

(316) 943-6100

3414 WEST 29th STREET SOUTH
WICHITA, KANSAS 67217

WORK ORDER NO: **AH-3913**

LIMITED WARRANTY



Aero Electric warrants each product to be free from defects in material and workmanship under normal use and service; Aero Electric's obligation under this warranty will be limited to repairing or replacing at its option any defective parts which fail within the time limit specified by this warranty. In the event a product requires warranty service, the product shall be returned to Aero Electric, Inc. transportation and handling charges prepaid; along with a statement briefly describing the malfunction or reason for returning such product. Aero Electric will at its option repair or replace the unit at the nearest Aero Electric Dealer or Distributor. THIS WARRANTY DOES NOT INCLUDE ANY LABOR CHARGES. THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY, IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTIES; EXPRESS OR IMPLIED, PROVIDED WITH THE WRITTEN WARRANTY SET OUT ABOVE.

PART NUMBER

105932-B/W/MANI. & FITTINGS

SERIAL NO.

A/E SN: AH-3138

WARRANTY PERIOD

3 MO. OR 100 HRS

MFG SN:

RETAIN THIS COPY

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
8-25-93		Tach 3039.8	Inspected Airframe IAW Cessna Inspection guidelines cleaned fuel Bowl, Installed with new orings, safety & leak checked. Lube all flight controls, Replaced all wheel Bearings & cotter pined, Replace throttle cable Lube all othe Engine control cables, Replaced landing light, Replace some post lights, Replaced Engine cowl fastness, Service A/c Battery, Replaced Instrument Regulator filter, lube landing gear, operation check gear & Replaced nose wheel lock pad. Replace stabulator static wicks, Service Hydrblic power pack with 5606, adjusted right belly Drain cable, Resealed Left master cylinder, service with 5606 and leak checked, Replace Left main tire with new Goodyear flight special. C/w AD 93-05-6 switch, C/w 767-12 Ignition switch C/w AD 87-20-3 seat & seat rails, All IAW Cessna SERVICEMAN I certify that this Airframe was inspected IAW <u>100 hour</u> inspection & was determined to be in Airworthy condition 8-25-93 Tach 3039.8 Paul Walk ADP 24228493 C/w AD 93-02-05 inspection line supports AD's checked to date. I certify this Aircraft was inspected IAW Gen Annual inspection and was determined to be in Airworthy condition TACH 3039.8 Date 8-25-93 Paul Walk 209-17-8336 I.A.
			SUB-TOTAL this page
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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
Sept 2, 1983	Tach 30411.3		Removed and replaced Hobbes meter new Hobbes 0000.2 ops checked okay. <i>[Signature]</i> 22917-9336 ATP
Sept 15-1982	Tach 304617		Service nose wheel strut I/A/W Cessna service manual Bud F Walker AP 242278493
Nov 24-1983			Revised Cessna audio panel, slide slope, Marker Beacon & 2 Navpoms. Installed a King KMA24 audio panel, 2 KX 155 Navpoms w/ KI204 indicators, a II Morrow 820R GPS receiver a Davtron 903TD indicator and a Radio Master relay system. See 3374 WTB this date for details. <i>[Signature]</i> XH6R343L Hagerstown Aviation
Jun 1, 74	3086.9		Detailed CESSNA Table on Pilot Seat on instrument panel and in POH <i>[Signature]</i>
April 26 ¹⁹⁸⁴	3124.9		Replaced pilots Door Inside handle with New Cessna PIN 0517039-2. <i>[Signature]</i> ATP 226867847
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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
6-2-94		Tach 3142.6	<p>Inspected I.A.W Cessna C-177RG Inspection Guidelines, Cleaned fuel bowl, installed with new orings leak checked O.K, Lubricate all flight controls & gear, Repack all wheel bearings & cotter pinned, Replaced ELT Battery OPS check O.K next due <u>Jun 96</u>, Replace Instrument Regulator Filter, Replace Beacon flasher unit, Repaired open wire in gear horn throttle circuit OPS checked O.K, stop Drilled wing tips, Replaced two static wicks on Rudder & Elevator, Replaced Spring on Right wing tie down Ring, serviced Hydraulic Power Pack, Replaced nose gear Down lock pad, Tightened bolt lower engine mount to gear, Check Rigging & operationail Check all gear All within specs, Change nose wheel tire 5.0-5 ply, CLW AD 76-7-12 function check smooth, CLW AD 87-20-3 seat & seat Rail Inspection, Installed new brake pads Both side & service full level with 5606, All I.A.W manufacturer Recommendations</p> <p>I certify that this <u>Airframe</u> was inspected I.A.W. An <u>100 hour</u> inspections & was determined to be in <u>Airworthy</u> condition</p> <p>6-2-94 Tach 3142.6 <u>Shul</u> with AP 242278493</p> <p>See next page for Annual entry</p>

ARTEX AIRCRAFT SUPPLIES, INC.
10714 S. Township Rd. Canby, OR 97013
(503) 266-3959 800-547-8901

LOG BOOK ENTRY _____
E.L.T. BATTERY REPLACEMENT DATE Jun 96

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2 June 94			TOTAL brought forward from previous page
	3142.6		<p>AD's checked and found correct before Annual inspection Per Cessna 177RG inspection guide & maint manual See previous entry for additional work completed. I certify this aircraft was inspected T/W/W on Annual inspection and was determined to be in <u>airworthy</u> condition.</p> <p>Date June 2, 1994 Tach 3142.6 Jeff W. Wood 229-17-8336 IA.</p>
			<p>The Altimeter, Automatic Pressure Altitude Reporting Equipment, Transponder System, and Static System have been tested as required by FAR 91.411 and are within tolerance as specified by Part 43 Appendix E. Altimeter(s) have been tested to <u>20,000</u> ft. by CRS # <u>OY1R391K</u> W/O <u>0608-2</u> Date <u>6-8-94</u> Data Correspondence was tested to <u>20,000</u> ft. Date of Static System Test <u>6-8-94</u> BY <u>W. Wood 2257872</u> CAPITAL AVIATION INSTRUMENT CORP. CRS OY1R391K</p>
			<p>Biennial Transponder Certification has been performed IAW FAR 43 Appendix E. Date <u>6-8-94</u> BY <u>W. Wood 2257872</u> CAPITAL AVIATION INSTRUMENT CORP. CRS OY1R391K</p>

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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6 AUG 94	3171.7		STALL WARNING HORN OPERATION INTERMITTANT. CLEAN CORROSION FROM BULKHEAD CONNECTOR IN LEFT WING ROOT. OPS CHECK OK, APPROVED FOR RETURN TO SERVICE. <i>Walt M. Welch</i> ATP 226867847
10/14/94	3228.2		Removed defective taxi lights and replaced with New Syl 4313 light. Removed defective landing light and replaced with New Syl 4313. Removed defective Rotating Switch and replaced with New S2160-1 Switch. Repaired defective Rotating Beacon wiring by splicing new wire and crimp ends at switch. Repaired defective Landing + Taxi light wiring by splicing in new wire and installing new crimp ends. Tested lighting systems, no defects noted in landing, taxi, and rotating beacon operations. All work performed I/A/W Cessna Service manual and A.C. 43.13-1A. <i>Paul [Signature]</i> 223-19-9701 ATP
10/22/94	3233.9		Serviced Nose Strut to 38 PSI. PLACARDED TAXI LIGHT INOPERATIVE. SERVICED NOSE AND MAIN GEAR TIRES. ALL WORK PERFORMED I/A/W CESSNA SERVICE MANUAL. TAXIED AIRCRAFT, NO DEFECTS NOTED IN NOSE STRUT OPERATION. <i>Paul [Signature]</i> 223-19-9701 ATP

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11/23/94	3235.9	3235.9	INSPECTED AIRCRAFT IIAW CESSNA 100 HR CHECKLIST CLEANED FUEL BOWL, LUBED FLIGHT CONTROLS, PARKED WHEEL BEARINGS. REPLACED LANDING AND TAKE LEGS WITH NEW P/N 4509'S. SERVICED BATTERY, SERVICED NOSE STRUT TO 38 PSI. PERFORMED RETRACT TEST FIVE TIMES AND 2 TIMES EMERGENCY. SERVICED POWER PACK WITH 5606. ADJUSTED RIGHT SUMO DRAIN REPLACED RIGHT MAIN GEAR TIRE WITH NEW P/N 156661-3 S/N 23520135. C/W AD 87-20-3 BY VISUAL AND DIMENSIONAL INSPECTION LUBED FLAP ACTUATOR JACK SCREW WITH 10 W OIL. STOP DRILLED FERRIS CRACKS. REPLACED BRACE ROTORS WITH NEW P/N 30615-1 AND LININGS WITH NEW P/N B30027 + B30024 REMOVED + REPAIRED AUX FUEL PUMP BY CLEANING SEAL SURFACE. REPLACED AND TESTED, NO LEAKS. REPLACED AIR FILTER WITH NEW P/N BA 5705 I CERTIFY THAT THIS AIRCRAFT WAS INSPECTED I/AW 100 HR INSPECTION AND FOUND TO BE IN AIR WORTHY CONDITION. All work Done I/AW CESSNA SERVICE MANUAL. <i>[Signature]</i> _____ 223-19-9701 ATP
11/30/94	3240.9	3240.9	REMOVED NOSE GEAR SHOCK STRUT AND OVERHAULLED WITH NEW "O" RINGS P/N MS 28775-329, 221, 010, 225, 228, S1628-329, S2418-1. RE-ASSEMBLED NOSE STRUT AND SERVICED WITH MIL-S-5606 HYDRAULIC FLUID AND NITROGEN TO 38 PSI. REINSTALLED

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			TOTAL brought forward from previous page
			AND Performed Re-tract test. No Defects Noted in Nose Gear operation. Replaced All Fresh Air and heat hoses with New "Scat" hose. Repaired "P" Leads by installing New End Kits P/N 10-382698. Replaced Left Nose Gear Door Hinges and Left Cowb Flap hinges with New Parts 2052009-1 (Gear Door) and 2052012-1 (Cowb Flap). Installed New Bushings and Spacers in Torque links P/N NAS 77-6-88 Bush, 0543047-1 Spacers and New hardware. Repaired Pilots Door by Replacing Screws and Manufacturing Cover Plate. Performed Retraction Test and Engine Run-up. Taxied Aircraft. No Defects Noted in "P" Lead Operation or Nose Gear Operation. All work performed IAW Cessna, TCM, Manuals and AC 43.13-1A, <i>[Signature]</i> 723 199701 ^{A+P}
12-14-94	Tach Time 3245.6		Installed New AirTex Interior. Replaced The Following Interior Parts with Factory New From Cessna. Panel Part # 2015015-4, Panel # 2015-3-532, Kick PNL # 2015015-1-532, Kick PNL 2015015-2-532, Trim 1715858-16, Console 2013065-12-824, Bag. Trim # 201503-1-840, Bag. Trim # 2015006-2, Bag. Trim # 2015005-1, and Fuel Pit # 2016035-2-270. <i>Martin R. Johnson AIP 270569136</i>
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12/19/94	3247.0		SAFETY WIRED BAGGAGE DOOR LATCH CLOSED AND PLACARD ENOP. Replaced Damaged AND Broken ACCESS PANEL SCREWS. <i>[Signature]</i> 223195701 ^{APP}
1/20/95	3259.3		INSTALLED INTERCOM MODEL PM 1000 FT SN D1966-M IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND 43.13-1A & 2A. See 337 DATED 1/20/95. Replaced NOSE GEAR DOOR BEARINGS P/N MS1896-441 AND BRONZE P/N MS35489-34. SERVICED BATTERY. SERVICED TIRES MAIN 68 PSI. NOSE 31 PSI. Replaced COWL FASTENERS. SAFETY WIRED BAGGAGE DOOR CLOSED AND PLACARD ENOP. All work performed IAW CESSNA ^{APP} MANUAL, 43.13-1A, 2A. <i>[Signature]</i> 223-199201
1/26/95	3264.4		INSTALLED 4 NEW STATIC WICKS P/N 8592001-0201 TO TRAILING EDGE OF FLIGHT SURFACES. Repaired main control linkage by installing new spacers P/N A00017 AND BQ0102, NEW AN3-16A BOLT AND AN365-3 NUT. Replaced Vacuum Relief Valve Filter with New BA-5-3. Replaced Central Relief Vacuum Filter with New D19-9-1. Repaired Baggage Door by installing New Latch Assy P/N S1359-9. All work performed IAW CESSNA Manual. TESTED Vacuum System, NO LEAKS NOTED. <i>[Signature]</i> 223-199201 ^{APP}

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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2/6/95	3270.2	3270.2	Replaced Post Lights and Covers in Dash Panel 2 S1899-5A58, 2 S1899-6A58, 5 GE 330 BULBS. <i>[Signature]</i> 223-19-9701 ATP
3/28/95	3280.4	3280.4	Removed Tachometer and replaced with new GE Goodfellow P/N 3320-00038 S/N 20X07. Factory markings and original tach time of 3280.4 hrs have been installed. Test ran engine, no defects noted on tachometer operation. <i>[Signature]</i> 223-19-9701 ATP
3/29/95	3282.1	3282.1	REMOVE & REPLACE D.G. P/N G502A, S/N 46686F. TESTED D4, NO DEFECTS NOTED FOR D4 OPERATION. <i>[Signature]</i> 223-19-9701 ATP
4/12/95	3294.4	3294.4	Replaced defective Aux Fuel Pump P/N C291504-0101 with new part P/N C291504-0101 S/N 27416. Change repaired Damaged Door seals by re-attaching. Repaired Pilot Door by straightening actuating rods in door latch. Test Aux Fuel Pump, no defects noted in Aux Fuel Pump operation. <i>[Signature]</i> 223-19-9701 ATP
4/25/95	3325.5	3325.5	Repaired flap actuator switch by tightening factory lock. Repaired Cool Flap by Trimming Flap Door. Inspected Gear Door (nose). Repaired Courtesy light (Fuel Valve) by attaching ground lead. Inspected map light. Inspected Electroluminescent Lighting System. Replaced RDF trailing antenna with new parts. all work performed in/w
			SUB-TOTAL this page <i>[Signature]</i> 223-19-9701 ATP
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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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5/1/95	3336.0	3336.0	PERFORMED 100 HR INSPECTION I/O/W CESSNA CHECKLIST. SERVED BRAKES, SERVED BATHING, CLEANED FUEL BOWL, REPLACED FUSERS, ROTATED LEFT MAIN TIRE, PACKED WHEEL BEARINGS. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED I/O/W A 100 HR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION. <i>[Signature]</i> 223-19-9701 ATP
5/10/95	3340.0	3340.0	REPAIRED CHARGING SYSTEM BY REPAIRING "S" TERMINAL LEAD AT MASTER SWITCH AND REMOVING VOLTAGE REGULATOR P/N VR 600 S/N 2082242 AND REPLACING WITH NEW PART P/N VR 600 S/N 4083543. TEST RAN ENGINE, NO DEFECTS NOTED IN CHARGING SYSTEM OPERATION. ALL WORK PERFORMED I/O/W CESSNA MANUAL. <i>[Signature]</i> 223-19-9701 ATP
5/11/95	3340.2	3340.2	REPAIRED CHARGING SYSTEM BY REPAIRING ALTERNATOR AND REPAIRING ALTERNATOR LEADS. RE-ROUTED WIRING FROM ALTERNATOR TO VOLTAGE REGULATOR AND BUS. <i>[Signature]</i> 223-19-9701 ATP
6/3/95	3349.0	3349.0	REPAIRED SCISSOR BY WELDING AT ATTACHMENT POINT. <i>[Signature]</i> 223-19-9701 ATP

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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6/24/95		3365.0	SERVICED RIGHT MASTER CYLINDER W/MIL SPEC
			5206 FLUID JB Stone 2144528 orifices
7-29-95		3378.8	Checked & Lubed Flight Controls. Checked
			Pulleys & Cables. Replaced Stab. Trim
			Actuator With Serviceable Unit. Rigged
			Trim System. Tightened Stab. Pivot
			Point Bolts. Checked Electrical
			System, Serviced Battery. Replaced
			Beacon Flasher Unit With Repaired
			Unit. Installed New Spinner, Primed &
			Painted. Replaced Left Cowling Flap
			Shock Mt. Replaced 5 Cowling Shock
			Mnts. Repaired Engine Baffle. Replaced
			Fuel Pump Drain Line. Replaced
			Left Muffler Ram Air Seat Duct. Replaced
			Engine Breather Tube Hose. Installed
			New Windshield & Sealed. Cleaned &
			Treated Corrosion on Wings. Cleaned &
			Treated Corrosion on Stab. Cleaned &
			Treated Corrosion on Dorsal Fin
			Cleaned & Treated Corrosion on Vertical
			Fin. Removed Birds Nest From Tail
			Section. Replaced Rudder Cap.
			ELT Improperly Positioned. Repositioned
			ELT & Brackett. Weight & Balance negligible.
			Installed New Interior Rear Bulkhead.
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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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7-29-95	3378.8		<p>Replaced Vacuum Relief Filter. Replaced Induction Air Bracket Element, Cleaned & Packed Wheel Bearings. Replaced Left Main Inbo. Wheel Halt with Serviceable wheel Halt, Installed New Bearing & Race. Replaced Right Main Obo. Bearing Race. Replaced Left Main Inbo. Brake Lining. Replaced Right Main Brake System Swivel. Replaced Left Main Brake Caliper Bleeder Valve. Serviced Brake System. Placed Aircraft on Jacks. Removed Main Gear Actuator, Installed New Seals & Backing Rings. Reinstalled Actuator with New Bearing Bolt. Replaced Right Main Trunion Bolt. Installed New Nose Gear Shock Pad. Serviced Hydraulic Power Pack. Rigged Landing Gear System I/A/W Cessna Maint. Manual. Performed Retraction Tests. Performed Emergency Extension Check. Removed Aircraft from Jacks. Checked Fuel System. Cleaned Bowl & Screen. Installed with New O-Rings & Sealed. Serviced Nose Strut. All AD's checked to date see Adlog AD Lists for details. Cont. →</p>
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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
7-24-95		3378.8	All Work Done I/A/W Cassna Maint. Manual Insp. Guidelines.
			I CERTIFY THAT THIS <u>Aircraft</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A(N) <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
			<u>Martin R. Johnson</u> LICENSE <u>IA 230669136</u> TOTAL TIME <u>3378.8</u> DATE <u>7-29-95</u>
7-29-95		3379.9	Test flew airplane. Cycled gear. All OK B. J. Jones 266-68-000R
9/30/95		3441.9	REPLACED NOSE GEAR SQUAT SWITCH, GEAR DOOR & ATTACHMENT HARDWARE. CYCLED GEAR, NORMAL OPERATION OF GEAR & INDICATING SYSTEM. TEST FLOWN, RETURN TO SERVICE. WORK PERFORMED BY G.S. PETERSON, COM 215506225. <u>ATP 2234153</u>
11/10/95		34534	I CERTIFY THIS AIRCRAFT AIRWORTHY FOR ONE TIME FLIGHT FROM MANASSAS TO HAGERSTOWN MD. FOR FURTHER REPAIRS. <u>Timothy W. Stone</u> 217580560 ATP

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The aircraft identified above was repaired and inspected in accordance w/ current regulations of the FAA and is approved for return to service. Pertinent details of the repair are on file at this

repair station under WO # 19512206

Date: 12/21/95 Sig: [Signature]
JRA EXECUTIVE AIR, INC. JZRR651K
HAGERSTOWN, MD 21740

- | | | | |
|---------|--------|--------|--|
| 2/23/96 | 3479.7 | 3479.7 | 1) PERFORM 100 HOUR INSPECTION IAW CESSNA MANUAL. |
| | | | 2) C/W AD 76-07-12R1 BY PARAGRAPH 1, TEST.
NEXT DUE 3579.7 TT, 3579.7 TACH. |
| | | | 3) C/W AD 87-20-03R2 BY PARAGRAPH (a) (1) THROUGH (7)
NEXT DUE 3579.7 TT, 3579.7 TACH |
| | | | 4) C/W AD 95-03-02 BY PARAGRAPH (a) (1) THROUGH (3)
NEXT DUE 3579.7 TT, 3579.7 TACH |
| | | | 5) TIGHTEN HORIZONTAL STAB ATTACH BOLTS IAW CESSNA MANUAL |
| | | | 6) CHANGE LEFT LANDING LIGHT. |
| | | | 7) CHANGE ENGINE OIL + FILTER, SERVICE WITH AEROSHALL 15W50.
301-249-420 |
| | | | 8) REPLACE LEFT MAIN GEAR TIRE, 15 x 6.00 -6 GOODYEAR |
| | | | 9) REPLACE PACKING RIGHT FUEL BELLY DRAIN. |
| | | | 10) ADJUST FLAP CABLES IAW CESSNA MANUAL. |

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION, AND DETERMINED TO BE IN AIRWORTHY CONDITION.

Stanley J. Williams AP 282689906

Aircraft # N52578

The ELT inspection that is required by the Cessna Inspection Procedure was accomplished in accordance with FAR 91.207 on 2-23-96.

Stanley J. Williams
AP 282689906

WARRANTY AND CONDITIONS OF REPAIR

JRA Executive Air warrants any of the work performed by us or parts used by us to be of airworthy quality and to meet or exceed Federal Aviation Regulations while under proper use and maintenance at the time of the delivery of our work or parts to the Customer.
 Our obligation under this warranty is limited to the repair or replacement, at our option, of any work or part ~~which is~~ warranted which in our opinion was unairworthy when we delivered it, and which is returned to JRA Executive Air for our repair.
 This warranty shall not apply to work or parts which are improperly maintained or operated contrary to the aircraft flight manual, or contrary to the recommendations of either JRA Executive Air or the manufacturer, or which have been subsequently repaired or altered outside our shops without our written consent.
 The parties hereby agree that any and all direct or consequential damages of any type arising from our branch of this warranty are excluded, and that the Customer's sole remedy for any defect or complaint regarding our services or parts is limited to our making good under this warranty. This warranty supercedes all other representations, expressed or implied, on the part of JRA Executive Air. THERE ARE NO OTHER WARRANTIES, WHETHER OF FITNESS, MERCHANTABILITY, OR OTHERWISE, WHICH EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF.
 The Customer or his or her authorized representative hereby certifies that the aircraft parts and components covered by this work order will be physically used in an aircraft used principally in the movement of passengers, or freight, or both, in interstate or foreign commerce, and is therefore exempt from the Maryland Retail Sales Tax. In the event this exemption is invalidated by any government agency or court, the Customer agrees to pay and indemnify JRA Executive Air for any sales tax owed on these aircraft parts and components.
 JRA Executive Air shall have a possessory lien on any aircraft or parts serviced or repaired by us until payment is made.
 Payment is due prior to release of any service or repair.
 Any bill not satisfied within thirty (30) days of presentation shall be subject to interest of 18% per annum. Any cost related to collection will be payable by the customer.
 The Customer, having acknowledged the foregoing, hereby orders and authorizes the repair of the following items:

X _____



18335 Airpark Road • Hagerstown, MD 2
 Phone: (301) 791-3642
 Fax: (301) 791-7368
 C.R.S. JZRR651K

Owner Jeff Peterson - Manassas Air Center Work Order # 95-12206
 Address 18600 Observation Road Phone Number 703-361-0575
Manassas, VA 22111 FAX: 703 361-0044
 Make Cessna Model 177RG TT 3454.4/482.5 Date 12-13-95
 Insurance Co. _____ N# 52578 Serial # 177RG120
 Agent _____

LIST PROBLEM / THEN CORRECTIVE ACTION / INITIAL WORK COMPLETED / INSPECTOR INITIAL	MECH
1. REMOVE RUDDER, VERT. FIN, HOR. STAB, & BOT. TAIL SKIN	
Corrective Action <u>REMOVED RUDDER, VERT. FIN, HOR. STAB, & BOT. TAIL SKIN PER MANUFACTURER'S MAINTENANCE MANUAL</u>	<u>RPK</u>
2. INSTALL BOT TAIL SKIN	
Corrective Action <u>REMOVED BOT TAIL SKIN PER PLN 1712100-7 & 2012100-1732089-1 PER AC43.13-1A, CHAP 2, SECT. 3, PARA 99.</u>	<u>RPK</u>
3. INSTALL VERT. FIN, RUDDER, HORI. STAB	
Corrective Action <u>INSTALLED VERT. FIN, RUDDER & HOR. STAB PER MANUFACTURER'S MAINTENANCE MANUAL</u>	<u>RPK</u>
4. MAIN WEAR ACTUATOR LEAKS & RED END BROKEN	
Corrective Action <u>REMOVED CARTRIDGE & RED END PER PWS 82420-6, 8320775-133, -114 & -326 PER MANUFACTURER'S MAINTENANCE MANUAL</u>	<u>RPK</u>
5. WEAR RETAIN	
Corrective Action <u>LOOSED WEAR RETAIN PER FORMED PER MANUFACTURER'S MAINTENANCE MANUAL</u>	<u>RPK</u>
6.	
Corrective Action _____	
7.	
Corrective Action _____	