

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19 <u>93</u>				
2/8				PolyBush on under side of upper wing by Bob Rhodes -
2/9				DBB Bob apply Rib reinforcement tape & punch holes in lower side surface of upper wing - apply one coat of epoxy varnish to both lower wings - DBB
2/10	Bob Rhodes begins Rib stitching upper wing -			Punch holes top of upper wing add coat epoxy varnish to lower side lower wings - add back to inside wingtip bows of lower wing to accept inter-rib bracing tape DBB - PM add filler to ldg. edge ^{lower side} of lower wings

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DHB 2-14-93				& Aaron Clements - applied interrib bracing Tape & prep lower wings for cover - Mask- ing tape & fill as necessary so - rough areas will not show thru fabric.
2-15-93	DHB			- Bob Rhodes Everett Parks - Cont'd rib stitching of upper wing - apply finish tapes on ribs of top side upper wing - Cont'd prep of lower wings - placement of inspect covers over ldg wire etc - Collect (flying & ldg wire access covers fab & fit - also fab & fit Alum plates around aileron actuator rod openings of lower wings - 2 coats Poly Brush upper wing - prep lower wings

1-8a.m.
1-2 P.M.

18-93

measure for wing
patches for fittings
attach and inspect rings
and chain
grommets

upper wing
turned ready
for Tapes on lower side

Left pulsed
is longest

Bead blast, solvent clean, and prime
^{TWO} ~~ONE~~ coats Stits EP 420 GR.) The following

R+L lower wing metal items: (also touch

- a. Aileron Bellcranks
- b. Aileron Idler arms

up Brackets
on lower
wings & hinges

- c. Pushrods a/c, Bellcr. to a/c Idler arm.
- d. Upper wing a/c. hinge bracket & Slave
strut attach brackets.

Also, Completed rib finish tapes on TOP side
of upper wing. - Bob Rhodes -

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2-20	8 Visitors today Patton, Coleman Stout, Hayward D.H. Sr. etc Maurry Bowes			glue envelope on lower left wing after install oil pushrod - Idler arm & bell cranks (final) also left bearing for oil Idler torque tube pushrod installed - cont. to work on finish tapes etc - upper wing.
2-21				Shrink lower left 250° & work on finish tapes & patches upper wing. Shrink lower wing @ 350° apply Poly Brush (1 coat). final apply finish tapes drain grommets, + some inspect rings to upper wing Don Silliman & Aaron Clements PM

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2/20	6 AM -	8 AM		apply rib reinf tape & punch for stitches - lower left w/w allowance for oil Pushrod etc - DAB 6 p.m Bob Rhodes had R/stitched @ 1/2 of L. Lower wing by 6 PM!!! DAB Clean & Oil Shop - then to DBN Deliver I-Strut Bolts to Tom Vander for tie down Bob Rhodes completed lower wing Rib Stitches DAB cont'd work on finish & leading edge tapes on upper wing - DAB cont work on lg edge & finish Tapes etc upper wing -
2/26				
2/27				

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2/28				D/B 7-9am - Prepare R. Lower wing for covering - Sanding - Epoxy Varnish inter-rib bracing
3/2	AM (D/B)			Prepare R. lower wing for covering apply anti chafe tubes & wire ties to anti drag wires - apply rib anti chafe tape - final sanding install aileron pushrod hardware & brackets & bearings - safety AN-4 bracket thru lrg bolts Ready to cover & AN-3 Bearing retainer bolts Photos of w/cotter pins - apply #2 coats Pushrods etc. poly brush to ldx edge & plywood.

DATE

19

TOTAL
TIME IN
SERVICE

REFERENCE OF MAJOR REPAIRS AND MAJOR ALTERATIONS TO
FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE APPROVING AGENCY.

3/3	P.M.	Fit envelope & spot glue to R. Lower wing install butt Rib brace to avoid bending as done on L lower wing
3/4	A.M.	Finish glue Envelope to R Lower wing. Poly brush all cut areas - Ready to Shrink Shrinks @ 250° & 350° & Poly Brush applied Measure & punch holes for rib stitch R.L. wing
3/6-7		8 Bob- Rhodes Rib stitch Entire R. Lower wing. SAB Clean Shop etc Prepare to Tape R. Lower wing
Weeks of 3		Finish tapes & Inspect Rings R Lower wing
3/12		Finish tapes & Ldg & trailing edge tapes
3/13		R & Left Lower wings
3/14		
3/15		

DATE
93
19TOTAL
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FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE APPROVING AGENCY.

3/16		Cont'd work on finish / ldg edge / trail edge & wingtip lapses - 8415
3/20		Wingtips & hand holds completed - patch over new lites & drain grommets upper & lower wings - constr. of paint booth ceiling & instal of 220v cir. for compressors
3/21		
to 3/27		Inspect upper & lower wings & iron seams - Sprayed underside lower wings w/ 2nd coat of poly brush - ailerons ready for epoxy - Spray Poly Brush top of lower wings Spray 1 light coat poly brush top wing clean all push rods & slave struts for priming

DATE
1993TOTAL
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SERVICEREFERENCE OF MAJOR REPAIRS AND MAJOR ALTERATIONS TO
FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE APPROVING AGENCY.

3/29 - 3/30

7-1

~~Bottom~~
1st Coat Silver ~~Top~~ of upper & ~~Bottom~~ of lower wings
2nd " " Bottom of upper & Top of lower wings

also primed Slave Struts - Ailerons
Ail push rod (couple tube to Idler) and
Bell crank to Aileron Pushrods and
Aileron Compression Strut + I Struts

4-2

2nd Silver Coat Top/upper & Bottom lower
wings & Ail H.M.

to 4-17

Sanding Silver Coats on wings & Bob-Rhodes
rib stitched ailerons - ready to tape 4-16

To 4/29

3 coats silver on wings - tapes & grommets &
finish shrink ailerons - sanding wings etc

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1993 4/31				Final 5th coat Silver Top of upper & Bottom of lower (4 cts) wings finish tapes & patches on ailerons / fashion access plates for outboard hinge bolt access on 2 upper wing ailerons. DHB
5/12				Cont'd finishing of Ailerons / spray poly brush & 2 coats silver on ailerons add 2-3 coats of epoxy primer to Torque Tube to idler arm push rods - bell cranks to aileron push rods and slave struts Cut & fit firewall / sheet metal belly layout Firewall rivets / & fit - Side panel layout & fit - try fit & cut canopy & can. Retainer
	5/87 inspect 5/93 of fuselage etc - sheet metal work			
10/85-12-93				

April 6-11, 1993 (DHB) at Farm - Applied
2 coats Stits Poly-Brush to Ailerons (4)
and I-Struts - Prepared Ailerons for
covering - Covered Ailerons with
Stits Poly Fiber w/ Poly Tab, also
I-Struts all surfaces - Strips
all fabric 250° - 350° - Brush
coat Poly Brush - ~~iron~~ defects
etc - apply finish tapes to I-
struts - apply rib reinforcement
tape to aileron ribs - Ready to 5th
aileron day

to wings -

DATE 93
19 TACH
TIME TODAY
FLIGHT

7/28 To Date

Cont'd sheet metal & work on Fuselage
Nose Bowl - Spinner, Try Fit Engine
Sand Paint (Silver), Slit & Glue Patch
Upper wing Cent/Sect behind lag
Edge, etc -

8-17 To date

Cont work on Fuselage - Sanding
& Silver on wings & ailerons -
Sanding & Steel wool prep for
Color 1st & 2nd coats yellow
8-16 & 8-17

9-15 to Date

Sand Paint & Complete ailerons
Wings, I-Struts - Apply Insignia
to wings -

TO 11-8-93 - Skybolt Fuselage - sand, prime & paint,
tubing, install replacement trim mech - final
form sheet metal for cowling & belly - mount
firewall, engine. try fit - fit rear seat, can-
opy & fabricate rails & latch mech. fab.
front cockpit cover & windscreens. Remove
all components, cover, & paint fuselage -
cover & paint tail feathers - art works on fuselage
& cover & mount landing gear. Mount
Eng w/ new Lord Mts. - install Bungees &
Safety cables. Fabricate & install Exhaust
system. Paint & prime all pushrods & control
tubing - final fit floorboards & etc -
Iron clear coat on fuselage

To 11-16-93- Instal. of Oil cooler
radiator, floorboards & seat backs
Instal. of air filter in lower eng
cowling. Flange baffles & for
gas tanks fill neck etc.:- Paint
Spider brackets for wheel pants &
Modify Aple & legs To accept wh pants.
Measure & Plan for Radio instal.

Scuffed w/ Scotchbrite grey pad. Final
fit, sand & T-88 repair of all ailerons
Final fit OK - Prime fit & paint all in-
spection covers - Trim & decor touch up.
Puncture all drain grommets & paint
holes - repair paint defects on ailerons
Cut msp. holes for attachment of flying wires
and air/torque tube push rods - Finish
paint I-struts and push rods & slave
struts. Seal air hinges. Seal & finish pitot
tube exit openings.

bottom - engine & fuel tank - major

Fuselage 11-16-93 - Plan fit &
try. fit instr panels front & rear -
Paint & instal all controls & Torque
tube etc. - Push Rods final riveted
& painted for installation -

Final 11-16-93 - Plan dit & fly. fit into panels front & rear - paint & make all controls & logic

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11-22	Final paint	turn & finish all access items & ailerons - inspect all fabric - open nec. inspect holes & fly wire access etc
11/29	Final paint	sand trim & etc. Prep for clear coat also install instr. oil system & Radio Box in fuselage / Baffles etc -
Dec 1, 1993	Wings finished !!!	Prep & Clear Coat (IMRON by DuPont) applied by Cliff Richards Jr.
Dec 3 rd		Cont'd wiring & fitting of instrumentation etc in Fuselage

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to July 94				Test, trace, re-work elec system
				& switches add GPS mount
				& Radio Box w/ cooling holes.
				Run BNC & Coax to Antenna
				location - Complete installation
				of Running lights -

TO April 23, 1994 Fabrication & Painting of
aft Fuselage & elevator horn inspection covers.
Painting & lettering on fuselage, wheel pants
horiz. stabilizers & EXPERIMENTAL on
upper wing. finish, paint & fit aft cock-
pit coaming & windshield. Final painting
& clear coat all remaining sheet metal &
Sail Feathers - Final Fabrication of Truss
control handle & paint same - Attach
static air filter to TransX - encoder -
Regular inspections by Al Patton Tech Counselor
addition of Cow Flap Stops. EAA Ch. 172

* TO May 31, 1994. Final installation of Radio ant. cables -
completion of 20 pin connector. Replaced defective
Volt. Reg and Ammeter (apparent coincidence failure)
Checkout Elec System OK also set idle & Mixture
of operating temperature - Adapted Sheet-metal
to permit opn. of oil. control push rods &
instal. of same - attach metal belly &
sides - connecting to both cockpits -
Try fit eng cowling - Instal retainer ring
to Cowl Cam-Loc fasteners - Check brake
reservoir levels and adjust rudder cables
Try fit Seat Pack parachute near cockpit AOK

inspection cover for elevator
horn / trim bell crank access
area - fit, fabricate, prime, drill,



paint & install.

Try fit Rudder / Stabilizers
Elevators & cables & Push rods
etc - 3 times / also finish

1ST taxi checks out
ON 26 Mar 1994

installation of brakes, charge
with brake fluid & test & ad.
Brakes

EAA Tech Counselor &
Chapter assistance in
fitting & hanging
upper & lower wings
& ldg & fly wires etc
23 & 24 April 1994

Saturday - 4/22/94

Paint & Clear coat remaining
sheet metal, stabilizers, elevators
Rudder wheel fairings etc
with appropriate lettering
through spray wash
etc. Dupont Imron & dope
on rudder (Red & white)

9. Balance & Certification | Safety - A

Paint & Clear coat remaining
sheet metal, stabilizers, elevators
Rudder wheel fairings etc
with appropriate lettering
through spray wash
etc. Dupont Imron & dope
on rudder (Red & white)

5-3-94 Remaining to be done - → Flight

- ① Paint off Fuselage Inspect covers - ② Install Pitot static tubes & secure same - Secure Navlite & tail lite wires & run to wire harness below radio box. ③ Install antennae on Shit. Metal. ④ See to complete Radio install & connector ⑤ attach rubber seal to sheet metal items as required. attach plate & clip nuts as req'd ⑥ Install sheet metal ^{Fabricate} ^{paint} wing root fairings
 - ⑦ Final Labeling & marking - weight & Balance ⑧ Certification
- Wing Tanks Plumbing
Safety - Air Box

TO 5-1-9

~~Horizontal~~
Tension
Stabilizer

posts to level [washers added each side] Installation of Ailerons and adjustment of oil. Pushrods from Torque tube to Idler arm - adj. of Idler to bell cranks pushrods & re-safety - attachment & adj. of slave struts - adj. of ailerons $23^{\circ} \pm$
Paint butt ends of lower wing spars to seal after cut to allow wing attachment -
Installation of Stab, Elevators, Rudder trim tabs & Braces
Tailwheel Springs and Rudder cables etc.

Faulty Voltage Reg. Replaced
5-28-94
ammeter replaced
AOK - after checks -

SW ammeter repl. w/
Impro from Merri's
warranty claim on SW ?

[illegible]

[illegible]

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4	4	prior dates		final instrument markings & cockpit markings - test all electrical & radio's circuitry - wing & Stab Trim inspection by DHB & EAA tech Comm. Test run engine x 4 times & Taxi Brakes ✓ ok - @ T/O power - Final Fabrication / finish / instal of ply- wood seat members - Installation of all sheet metal inspection covers and cowling - Instal Comm. & Trans antennae - Instal ELT - Fabricate Paint & label bracket for ELT

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7-5				Final Check List & Touch up paint & add labels & placards - Data Plate install. Deferred until inspection by FAA
				ELT instal Complete - Dec 1994
				Batteries installed - Replace Dec 94
				Marked on outside of ELT.
				Final Inspection of upper & lower wings - Eng Comp. Fuselage - Ldg gear elec system / Radios & opn - Test run & taxi - Run up to T.O. power Brakes OK - Control opns free & clear

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10/94 4/7	0.9			I HAVE INSPECTED THIS AIRCRAFT AND FOUND IT COMPLIES WITH THE REQUIREMENTS OF F A R 2/1/94 CERTIFICATE OF AIR WORTHINESS DATED <u> </u> WAS ISSUED BY ME <u>Albert R. M...h</u> FAA GA-FS00-11 The next condition inspection is due July 31, 1995.
July 8	994.9	.5		First test flight DNL CHT - 250-400° - Oil pressure / fuel pressure / EGT OK - Runups Static RPM 2350 - in flight max static 2700 Cruise 2300 - 2500 - Shv oil system ch 7-10-94 A/C tends to roll to right - rt rudder req. for coord. flight.