AIRCRAFT HISTORICAL MAINTENANCE REPORT

2001 Cirrus SR20 | N161KT | S/N 1144 | Continental IO-360-ES6 | Hartzell PHC-J3YF-1MF

Total Time: 1,532.3 hrs | Report Date: March 2026

SECTION 1 — AIRCRAFT IDENTIFICATION

Field	Detail
Manufacturer	Cirrus Design Corporation
Model	SR20
Year / Date of Manufacture	2001 — April 2001
Serial Number	1144
FAA Registration	N161KT
Standard Airworthiness Certificate	Issued April 13, 2001
Production Flight Test	Completed April 13, 2001 by Cirrus test pilot Daniel Ryan
Category / Operations	Normal — Part 91
Empty Weight	2,097.96 lbs (updated 2/17/2023 by Twin Cities Aviation)
CG (Empty)	139.84 inches aft of datum
Useful Load	902.04 lbs
Max Ramp Weight	3,000 lbs

SECTION 2 — ENGINE HISTORY

2.1 Engine Identification

Field	Detail
Make / Model	Teledyne Continental Motors IO-360-ES6
Serial Number	357351
Date Manufactured	March 9, 2001
Total Time in Service	1,532.3 hours (as of 03-01-2026)
SMOH (Since Major Overhaul)	Never overhauled — original factory engine
Recommended TBO	2,000 hours (approx. 467 hours remaining)
Next Annual / 100-hr Due	March 2027 (Annual due Mar-27)
Last Compression (03-01-2026)	Cyl 1: 72/80 | Cyl 2: 80/80 | Cyl 3: 76/80 | Cyl 4: 78/80 | Cyl 5: 72/80 | Cyl 6: 76/80

2.2 Chronological Engine Maintenance Record

Date	TT / Hobbs	Work Performed	Repair Station
03-28-2001	~0	Engine serviced 8 qts 30W mineral oil at factory	Cirrus Design Corp.
04-26-2001	35.2	Oil change — Aeroshell 65 30W mineral; oil filter CH-48108	Owner (Kevin Gramyk)
05-13-2001	50.1	Oil change — Phillips X/C 20W-50	Owner
07-29-2001	103.4	100-hr inspection; cleaned/gapped/rotated spark plugs; checked mag timing; oil change Exxon Elite 20W-50	Top Gun Aviation, Stockton CA
10-23-2001	152.2	Oil change — Exxon Elite 20W-50	Owner
02-23-2002	204.6	Oil change — Exxon Elite 20W-50	Owner
07-20-2002	279.9	Oil change — Exxon Elite 20W-50	Owner
12-29-2002	337.8	Oil change — Exxon Elite 20W-50	Owner
05-17-2002	238.5	Annual; CW SB 20-55-06 stabilizer rivet inspection; new vacuum filter; M20 Turbos air oil separator; checked/replaced oil filter; spark plugs cleaned/gapped/rotated; 100-hr	Top Gun Aviation
04-25-2003	370.6	Annual/100-hr; compression test 1.74/80 to 6.74/80; changed oil; cleaned/gapped spark plugs; replaced alternator drive seal; new mount gasket	Top Gun Aviation
09-26-2003	408.4	Oil temp probe wires inspected; cleaned plug leads; removed/cleaned oil pressure relief valve; new oil filter; serviced with 3 qts Phillips X/C 20W50; installed new alternator P/N 653344A1	Woodland Aviation, Woodland CA
10-02-2004	513.8	Oil change Exxon Elite 20W-50; new oil filter CH48108-1	Owner
05-26-2004	460.6	100-hr/Annual; compression 72-82/80; RTV on induction tube; new intake pushrod tube on #2 cyl; 8 qts Exxon Elite 20W50; 12 new spark plugs	Executive Air Repair, Sacramento CA
04-18-2005	567.8	Oil change Exxon Elite 20W-50; new oil filter	Owner
06-03-2005	577	Annual/100-hr; reset ignition timing; new intake pushrod tube covers on L & R magneto P-Leads; new starting circuit service kit; compression test all 70-80+; new spark plugs M-674	Executive Air Repair
10-25-2005	616.8	Oil change; replaced #3 intake pushrod tube and seals	Executive Air Repair
07-14-2006	664.2	Annual/100-hr; new seals on #2 cyl intake pushrod tube; baffling tension springs secured; sonic-cleaned fuel injectors; new induction air element AN900-10 crush	Executive Air Repair

Date	TT / Hobbs	Work Performed	Repair Station
		gasket; compression 70-80+; new spark plugs M-674	
10-25-2007	689.8	Oil change Exxon Elite 20W-50; new oil filter	Owner
09-01-2007	751.4	Annual/100-hr; 500-hr magneto inspection — new points M3081, new rotor gears M3828, new distributor rotor kits K3823; 12 new spark plugs RHM38E; oil 8 qts 20W50 Exxon Elite	Sierra Mountain Aviation, Grass Valley CA
09-02-2008	822.0	Annual/100-hr; compression 76-80+; resealed oil cooler, resealed #2 intake, #3 intake/exhaust, #5 exhaust push rod tubes with new gaskets	Sierra Mountain Aviation
03-14-2009	872.4	Oil change; installed new tach generator P/N TG0100-05010 S/N 1826; vacuum pump reinstalled	Executive Air Repair
02-24-2009	863.8	Removed/reinstalled vacuum pump; removed/re-installed #2 alternator for tach gen install; ground ran with normal results	Executive Air Repair
09-06-2010	968.4	Oil change — Exxon Elite 20W-50	Owner
10-01-2009	913.9	Annual/100-hr; compression 74-80+; 7 qts 20W50 Exxon Elite; new oil filter CH48108-1; no contaminants	Sierra Mountain Aviation
11-19-2010	972.2	Annual/100-hr; compression 74-80+; 8 qts 20W50 Exxon Elite; AD 2010-11-04 N/A	Sierra Mountain Aviation
02-12-2011	1,023	Oil change — Exxon Elite 20W-50	Owner
11-18-2011	1,074.2	Annual/100-hr; cleaned/rotated spark plugs; 8 qts 20W50 Exxon Elite; no oil filter contaminants	Sierra Mountain Aviation
09-07-2012	1,114.6	Oil change; spark plugs cleaned/gapped/tested/rotated; 8 qts Exxon Elite 20W50	Executive Air Repair
11-28-2012	1,119.5	Annual/100-hr; applied RTV between #6 intake clamp and fuel injector line; new oil cap gasket P/N 533355; AD 2012-03-06 N/A (AVStar diaphragm not installed); AD 2011-26-07 N/A by serial number; Tanis Pre-Heat system installed	Sierra Mountain Aviation / Twin Cities Aviation
12-19-2013	1,142	Annual/100-hr; repaired oil fill tube leak; compression 70/80 or better; Exxon Elite 20/50 with new filter	Charles Trower Aviation, Scobey MT
12-29-2014	1,174.7	Annual; compression 70/80+; cleaned/gapped plugs; cleaned injectors; Exxon 20-50 Elite; new filter	Charles Trower Aviation
01-01-2016	1,223.4	Annual; compression 70/80+; cleaned/gapped plugs; new filter	Charles Trower Aviation
02-01-2017	1,238.8	Annual; compression 70/80+; cleaned/gapped plugs; cleaned injectors; new filter	Charles Trower Aviation
07-24-2017	1,256	Oil change — Exxon Elite 15w-50 Aeroshell; new 48108-1 filter	Charles Trower Aviation
03-01-2018	1,264.1	Annual/100-hr; Exxon Elite 20/50; new filter	Charles Trower Aviation

Date	TT / Hobbs	Work Performed	Repair Station
03-14-2019	1,273.8	Annual; compression 70/80+; replaced LH magneto with rebuilt 6314 S/N H-05463; overhauled/removed RH magneto via Aircraft Mag Services	Charles Trower Aviation
10-23-2019	1,287.8	Replaced LH magneto with rebuilt 6314; RH magneto overhauled by Aircraft Mag Services and installed	Charles Trower Aviation
03-24-2020	1,285.5	Annual; compression 70/80+; Exxon Elite 20/50; new filter	Charles Trower Aviation
06-18-2020	1,289.5 TT	MCU replaced by Holeman Aviation; new battery; #2 alternator replaced by CTA at 1,391.2 run-up	Charles Trower Aviation
02-22-2023	1,314.5	Annual/100-hr comprehensive overhaul; new 12 hydraulic lifters; valve cover gaskets replaced all; compression 65-80+; cleaned injectors ultrasonically; replaced engine-driven vacuum pump P/N RAP215CC-OH; replaced LH & RH fuel senders; throttle assembly cleaned; borescope inspection — camshaft no discernible deterioration; secured broken RH exhaust hardware; prop governor control cable adjusted; full fuel system operational check; CW AD 2008-11-18; all ADs to 2023-04	Twin Cities Aviation, Blaine MN
04-14-2023	1,315.9	Installed 12 new hydraulic lifters P/N 658106 (lock-tab washers); new pushrod tube o-rings; borescope — no deterioration on camshaft; fuel pump replaced by Horizon Aircraft Engine Services; post-repair per Continental M-7 chapter 17-10.1	Twin Cities Aviation
05-18-2023	1,343.1	Oil change; cut open filter no metal; 8 qts Phillips 20W50 secured; engine run no leaks	Cord Aero LLC, Monterey CA
02-29-2024	1,423.6	Annual; compression 61-80+; drained oil no metal; 7 qts Phillips 20W50; removed RH magneto/new gasket P/N 649954/reinstalled/timed; CW AD 2008-11-18	Cord Aero LLC
07-12-2024	1,433.9	Oil change; cut filter no metal; 8 qts Phillips 20W50	Ben's Motorworks, Fullerton CA
11-27-2024	1,455.8	Oil change; cut filter no metal; 8 qts Phillips 20W50	Ben's Motorworks
02-12-2025	1,475.7	Annual; compression 72-73/80 (Cyl 3 low); new spark plugs RHM38E x7; injectors removed/ultrasonically cleaned/reinstalled; mag timing adjusted; AD 2008-11-18 action 1 no defects; ADs current through 2025-02	Ben's Motorworks
04-30-2025	1,491	Oil change; cut filter no metal; 8 qts Phillips 20W50	Ben's Motorworks
10-21-2025	1,512.5	Oil change; cut filter no metal; 8 qts Phillips 20W50	Ben's Motorworks
03-01-2026	1,532.3	Annual; oil & filter change no metal; 8 qts Phillips 20W50; spark plugs serviced; #3 cyl intake & exhaust push rod tube seals replaced; injectors cleaned ultrasonically; mag timing checked; heater adj; AD 2008-11-18 action 1 no defects; ADs through 2026-06	Ben's Motorworks

SECTION 3 — PROPELLER HISTORY

3.1 Propeller Identification

Field	Detail
Manufacturer	Hartzell Propeller Inc.
Hub Model	PHC-J3YF-1MF
Hub Serial Number	JC33A
Blade Model	F7392-1
Blade Serials	J41678, J41681, J41683
Diameter	73.8 inches
Prop Time Since Overhaul (TSPOH)	394 hours (as of 03-01-2026)
Last Overhaul	October 21, 2013 — Warner Propeller & Governor Co., Tucson AZ (FAA CRS W59R659N) W/O 10126
Next Annual Due	March 2027
Propeller Overhaul Recommended	At 3,831.3 total time or October 2018 (per maintenance tracking — past calendar, assess condition)

3.2 Chronological Propeller Maintenance Record

Date	TT / Hobbs	Work Performed	Repair Station
10-21-2013	~1,138	Overhaul and static balance; TTSN not reported, TSO 0.0. WO 10126	Warner Propeller & Governor, Tucson AZ
11-01-2013	1,138.3	Installed owner-supplied overhauled propeller M/N PHC-J3YF-1MF S/N JC33A; ground run ops and leak check satisfactory	Twin Cities Aviation
12-19-2013	1,142	Annual/100-hr inspection propeller — airworthy	Charles Trower Aviation
12-29-2014	1,174.7	Annual — propeller inspected; found airworthy	Charles Trower Aviation
01-01-2016	1,223.4	Annual — propeller inspected; found airworthy	Charles Trower Aviation
02-01-2017	1,238.8	Annual — propeller inspected; greased and filed; found airworthy	Charles Trower Aviation
03-01-2018	1,264.1	Annual/100-hr — propeller inspected; found airworthy	Charles Trower Aviation
03-14-2019 (3/16/2019)	1,273.8	Annual — propeller inspected; found airworthy	Charles Trower Aviation
03-24-2020	1,288.4	Annual — propeller inspected; found airworthy	Charles Trower Aviation

Date	TT / Hobbs	Work Performed	Repair Station
02-22-2023	1,314.5	Annual/100-hr; lubed hub; dressed and painted blades; ground run satisfactory; all ADs researched to 2023-04 — compliant	Twin Cities Aviation
02-29-2024	1,423.6	Annual; dressed and tracked blades; no defects noted; all ADs complied	Cord Aero LLC
02-12-2025	1,475.7 (SMOH 337.4)	Annual; propeller dressed; ADs current through 2025-02	Ben's Motorworks
03-01-2026	1,532.3 (SMOH 394)	Annual; propeller dressed; ADs current through 2026-06	Ben's Motorworks

SECTION 4 — AIRFRAME HISTORY

4.1 Chronological Airframe Maintenance Record

Date	Tach/ TT	Description	Station
04-13-2001	5.4	Production flight test per Cirrus Procedure #90500; Standard Airworthiness Certificate issued	Cirrus Design Corp. / FAA DMIR Robert W. Pylkka
08-02-2001	100.6	First 100-hr service: installed chafing pad under landing gear light; sanded wing trailing edge; replaced glare shield; adjusted castering unit and brake tension. AD 2001-07 all compliant	Top Gun Aviation, Stockton CA
12-11-2001	184.0	CW SB 20-55-06 stabilizer rivet inspection — no further action required	Top Gun Aviation
12-18-2002	337.2	Annual; CW AD 2002-21-02 trim cartridge cap nuts per SB A20-27-06; 34 item annual including new vacuum regulator filter, ELT checked, shoulder belt restraints installed per SA 01-19	Top Gun Aviation
04-25-2003	370.6	Annual; fuel cap o-rings replaced; new vacuum regulator filter; replaced turn and bank indicator batteries; replaced outside air temp gauge; new aircraft battery G-243; replaced all brake linings; CW CAPS activation cable AD 02-73; new CAPS activation cable P/N 15047-003 SN 94013	Top Gun Aviation
09-26-2003	408.4	Installed new air/oil separator per STC SA02033AT; installed new alternator P/N 653344A1 S/N H-230207 supplied by TCM. Run-up and leak check good	Woodland Aviation, Woodland CA
05-26-2004	460.6	Annual/100-hr; LH landing gear P/N replaced; installed field wire on alternator terminal; anti-chafe tape on flap covers; oil cooler brace adjusted; star locks on starter nuts; welded duct outlet for heater; Cirrus field repair #11900 trailing edge LH wing; new outside air temp gage; new vacuum relief filter; throttle lever cam/bearing replacement	Executive Air Repair, Sacramento CA

Date	Tach/ TT	Description	Station
		per SB 20-76-02	
12-28-2004	548.6	CW Cirrus SB 2X-28-02 and SB 2X-28-03; new fuel selector valve extension shaft and shaft sleeve; reassembled console; ops good	Redding Aero Enterprises, Redding CA
07-14-2005	566.6	CW SB 2X-25-05R1, SB2X-25-07R1 and SB2X-25-09 per manufacturer instructions	Owner
06-03-2005	577	Annual; new ELT batteries; replaced LT & RT MLG tires (Goodyear Flight Special II 15x6.00-6); replaced air filter BA-24; repaired pilot side wheel bearing; new vacuum relief filter; new instrument air filter	Executive Air Repair
07-14-2006	664.2	Annual; ELT inspected per FAR 91.207; new central vacuum/vacuum relief filters; removed corrosion from negative battery terminal; CW AD 2005-17-19C crew seats; CW AD 2006-07-06 per SB 2X-28-04-R1 fuel line chafing; new brake linings LH; main landing gear fairing modification for inspection holes; new Rapco vacuum pump	Executive Air Repair
09-01-2007	751.4	Annual; new reefing line cutters #12020 due 08-2013; removed lower right wing fuel tank panel; new brake linings RH; rebonded LH MLG fairing attach nut-plate; rotated L/R MLG tires; new Duracell 9V batteries; new rebound bumpers in nose gear; CW SB 2X-27-14R2; CW SB 2X-57-05R2 w/ shims; tightened throttle cable rod end; new well nuts on L/R wing; CW SB 20-78-01R1 new muffler P/N 11884-003; CW SB 2X-34-22R1 static sump kit	Sierra Mountain Aviation
07-17-2007	743.7	CW SB A2X-95-10R2 CAPS collar kit; CW SB 2X-95-09R1 CAPS abrasion inspection; resecured co-pilot right-hand seat recline mechanism	Sierra Mountain Aviation
03-18-2008	791.8	New #2 alternator P/N 50846-070 S/N J-310525; CW AD 2008-03-16 per SB 2X-27-14R3	Sierra Mountain Aviation
06-06-2008	802.1	CW SB 2X-34-23R1 WAAS upgrade by installation of kit #70190-001 (GPS1), #70190-003 (GPS2) and ELT shield P/N 18389-001	Sierra Mountain Aviation
10-17-2008	827.9	Both GNS 430W units returned to Garmin for WAAS upgrade and reinstalled; external annunciator installed for GPS#1; aircraft on STC and AML. GPS from 3.10 to 3.30 per Garmin SB#949	Executive AutoPilots, Sacramento CA
09-02-2008	822.0	Annual; (2) new Goodyear FCIII tires on L/R MLG; new ME406 ELT unit S/N 14024 installed per Airtex manual 570-1066; door seal pieces added; AD 2008-11-18 exhaust leaks complied; SB 2X78-07R1 no defects due 922 tach	Sierra Mountain Aviation
10-01-2009	913.9	Annual; ELT tested per FAR 97-207 (d) battery due 11-2013; new window gaskets P/N 51055-001U on 3 windows; SB 2X-05-01 brake temp kit; new nose gear pucks P/N 11879-006; new brake discs/linings; new fuel Floscan transducer P/N 15415-002; AD 2008-11-18 heat	Sierra Mountain Aviation

Date	Tach/ TT	Description	Station
		exchanger	
11-19-2010	972.2	Annual; ELT battery due 11-2013; new tail pipe ground straps P/N MS25083-6BB6; retorqued/cleaned fuel senders; nose gear steering yoke cleaned/inspected; installed 4 new Belleville washers in nose steering pivot P/N B1500-070-S; AD 2008-11-18 no defects due 1072.2	Sierra Mountain Aviation
01-17-2011	1,001.5	CAPS system: removed/reinstalled cover per AMM 04-00 dated 6-15-2010; new CAPS rocket motor assembly S/N 00134; new CAPS parachute S/N 00150; canopy color orange/white; CW SB 2X-65-13 CAPS strap inspection	TDL Aero Enterprises, Manteca CA
03-18-2011	1,038.6	Cleaned current sensor connector; trouble shot charging system; installed new Good Year FCIII tire on right-hand MLG	Sierra Mountain Aviation
04-26-2011	1,043.4	Installed repaired MCU unit P/N MC03 S/N 80236109; installed new aircraft battery P/N G243	Sierra Mountain Aviation
04-23-2012	1,098.9	Repaired LH nose gear tow lug threads; installed tow lug; trouble shot alternator — installed new function module P/N FM02-01	Sierra Mountain Aviation
03-30-2012	1,091.5	Removed NSD1000 HSI; installed NSD360A HSI P/N 52D137-1332 S/N 1-3549B; tied to vacuum system; function checked good	Executive AutoPilots, Sacramento CA
11-28-2012	1,119.5	Annual; ELT battery due 11-2013; new induction air filter BA-24; cleaned/retorqued LH wing fuel sender; new LH MLG inboard fairing bracket P/N 17205-001; filed propeller governor washer; tightened #2 alternator belt; new RH MLG lower inboard fairing bracket P/N 17205-002; retorqued RH elevator balance weight bolts; new propeller governor cable anchor P/N 11669-003; verified 5 rear wing attach bolts; AD 2008-11-18 complied; SB 2x78-07R1 no defects	Sierra Mountain Aviation
12-17-2012	1,133.1	Glareshield repaired with upholstery washers; AA battery in OAT/clock; 9V batteries in turn-coordinator; repaired NLG fairing (3 plys inside/2 outside polyester resin) repainted NLG and strut fairing per Cirrus SR22 MM chapter 51; factory style decals	Twin Cities Aviation
09-26-2013	1,138.3	Hard landing inspection; new nose gear bridge/pucks/bushings/rebound bumpers; CW SB 2X-27-13 flap gusset reinforcement; new rudder bottom cap P/N 20917-003; CAPS reefing line cutters P/N 25347-002 S/N 4991 & 5092 due 07-2019; speed tape applied to cosmetic areas for ferry	Twin Cities Aviation
11-01-2013	1,138.3	New right wing tip strobe light assembly P/N 36-0050705-00; serviceable lens	Twin Cities Aviation
12-19-2013	1,142	Annual; new L/R main tires and nose tire; new L/R and nose fairings; CW SB 2X-53-03 tail tie-down assembly; repaired aircraft belly per Cirrus Field Repair #R11137 — repaired lower fuselage bondline, reattached flap actuator mounting gusset, repaired fuselage skin dent and crack	Charles Trower Aviation

Date	Tach/ TT	Description	Station
12-29-2014	1,174.7	Annual; replaced interconnect shock cords; packed wheel bearings; inspected brakes; AD 2008-11-18 heat exchanger	Charles Trower Aviation
01-01-2016	1,223.4	Annual; installed 2 new back-up vacuum batteries; ELT due Feb 2021	Charles Trower Aviation
04-27-2016	1,223.4	New battery G 243	Charles Trower Aviation
02-01-2017	1,238.6	Annual; new back-up vacuum batteries; packed wheel bearings; new LH brake pads; ELT Feb-2021	Charles Trower Aviation
03-01-2018	1,264.1	Annual; AA batteries in OAT/clock; 9V batteries emergency turn-coordinator; serviced battery 75/80 Comp; Exxon Elite oil and filter	Charles Trower Aviation
03-11-2019	1,279.3	Avionics upgrade — removed ARNAV ICDS 2000 MFD, Garmin GTX-327 transponder, ACK A30 encoder. Installed: Garmin GTX-345 ADS-B Out transponder S/N 3EG026014; Garmin GAE-12 altitude encoder S/N 3T6008276; Mid Continent TA-202 dual USB charge port S/N K18-12687; Garmin Aera 796 GPS with panel dock. Software updated on both GNS 430W to v5.4 per Garmin SB#1317. Stormscope wiring repaired. All altimeter/transponder/static tests per FAR 91.411, 91.413, 91.217 performed to 20,000 ft	Park Rapids Avionics, Park Rapids MN
03-16-2019	1,273.8	Annual; batteries replaced OAT/clock and emergency turn-coordinator	Charles Trower Aviation
10-28-2019	1,287.6	New nose tire and tube; new flap relays	Charles Trower Aviation
03-24-2020	1,285.5	Annual; airframe inspected; airworthy	Charles Trower Aviation
06-18-2020	1,289.5	MCU replaced by Holeman Aviation; new battery; #2 alternator replaced at 1391.2 run-up	Charles Trower Aviation
11-22-2023	1,397.1	Removed old battery; installed Concorde RG24-15M battery	Various
02-22-2023	1,314.5	Annual comprehensive: new CAPS motor assembly P/N 29500-005 S/N 4990; new CAPS parachute P/N 29500-006 S/N 0105 exp 9/14/2032; new reef line cutters P/N 25347-002 S/N 21364 & 21438 (mfg 10/22) due 09-28; LH & RH fuel senders replaced; throttle assembly cleaned; elevator cable tension adjusted; aileron cable neutral position adjusted; RH flap torque tube bushing replaced; flap travel adjusted; aileron interconnect bungee P/N 12983-001 replaced; flexible brake lines replaced (LH & RH); new fire extinguisher P/N RTA600; paint protection film/anti-cafe tape on both flaps; cabin door struts replaced; removed/replaced vacuum check valve manifold P/N 1H5-28 S/N 23039-4 (valve failed pressure and vacuum tests); altimeter/transponder tested to 20,000 ft per FAR 91.411 & 91.217; all ADs to 2023-04	Twin Cities Aviation, Blaine MN
12-26-	1,468.	New LH main gear tire P/N 025-501-1 Michelin 15x6.00-6;	Ben's Motorworks

Date	Tach/ TT	Description	Station
2024	4	serviced main and nose tire to spec per POH	
02-12-2025	1,475.7	Annual: inspected per Cirrus SR20 MM chapter 05-20; new inlet air filter BA-24; checked cable tensions all in spec; new pilot sun visor blade P/N 12698-003; replaced 3x 9V batteries turn coordinator; replaced AA battery clock; replaced vacuum relife filter; battery charge/cycle/capacity test 101%; ELT inspected per FAR 91.207D all ok battery due 05-2029; AD 2024-24-11 N/A; CW AD 2008-11-18 action 1 no defects due in 100 hrs; ADs through 2025-02	Ben's Motorworks
03-07-2025	1,480.5	Troubleshot INOP flaps; replaced both Bosch relays P/N 0332209204 under rear seat; ops check all ok	Ben's Motorworks
02-12-2025	1,476.1	IFR cert: altimeter/static and transponder systems tested and inspected per 14 CFR 91.411 & 91.413 to 20,000 ft per FAR 43 App E & F — PASSED. Next due 02-2027	Gerdes Aviation Services, Los Alamitos CA
03-01-2026	1,532.3	Annual: inspected per Cirrus SR20 MM chapter 05-20; new inlet air filter BA-24; checked cable tensions all in spec; replaced 9V batteries turn coordinator; replaced AA battery clock; replaced vacuum relife filter; battery 95%; repaired heater control handle; CW AD 2008-11-18 action 1 no defects; CW AD 2006-21-03 by inspection; ELT ok battery due 05-2029; ADs through 2026-04	Ben's Motorworks

SECTION 5 — AVIONICS & EQUIPMENT

Component	Make / Model	Serial No.	Notes
Transponder (ADS-B Out)	Garmin GTX-345	3EG026014	Installed 3/11/2019; IFR tested 2/12/2025 to 20,000 ft; next due 2/2027
Altitude Encoder	Garmin GAE-12 (p/n 011-03080-01)	3T6008276	Installed 3/11/2019
Altimeter (Primary)	United 5934D-3	416926	IFR tested 2/12/2025 to 20,000 ft; next due 2/2027
GPS Nav/Comm #1	Garmin GNS 430W (011-01060-40)	97101747	WAAS enabled 10/2008; software v5.4 updated 3/2019
GPS Nav/Comm #2	Garmin GNS 430W (011-01060-40)	97101829	WAAS enabled 10/2008; software v5.4 updated 3/2019
HSI	NSD360A (p/n 52D137-1332)	1-3549B	Installed 3/30/2012
ELT	ACR ME406 Lithium	14024	Installed 9/2/2008; battery due 05-2029
USB Dual Charge Port	Mid Continent TA-202	K18-12687	Installed 3/11/2019
Portable GPS Dock	Garmin Aera 796 with panel dock	CY014316	Installed 3/11/2019

Component	Make / Model	Serial No.	Notes
Vacuum Pump	Rapco RAP215CC-OH (overhauled)	202628	Installed 2/22/2023; FAA 8130-3 dated 10/24/2023
Kelly Alternator (overhauled)	ES4029	A206052	Overhauled 6/11/2020 by Aerotech of Louisville KY
GEA71 (overhauled)	Garmin GEA71 (p/n 011-00831-00)	46705383	Overhauled per EASA Part-145; 8/18/2020
Tanis Pre-Heat System	TAS100-14-711-DT	—	Installed 12/17/2012 by Twin Cities Aviation

SECTION 6 — CAPS SYSTEM & LIFE-LIMITED PARTS

Component	P/N | S/N | Install Date	Status / Next Due
CAPS Parachute	P/N 29500-006 S/N 0105 | 02-22-2023	Expiration 08-18-2032 (every 10 years)
CAPS Rocket Motor	P/N 29500-005 S/N 4990 | 02-22-2023	Expiration 08-18-2032 (every 10 years)
CAPS Reef Line Cutters	P/N 25347-002 S/N 21364 & 21438 mfg 10/22 | 02-22-2023	Next due 02-2029 (every 6 years)
ELT Battery	ACR ME406 Lithium | Replaced ~2024	Due 05-2029
Main Aircraft Battery	Concorde RG24-15M | 11-22-2023	Next replacement 11-2026 or 3,197.1 TT
Fire Extinguisher	P/N RTA600 | 02-22-2023	Next replacement 12-2035 (every 12 years)
Flexible Brake Lines	Replaced 02-22-2023	Next due 12-2028 (every 5 years)
Aileron/Rudder Interconnect Shock Cord	P/N 12983-001 replaced 02-22-2023	Next due 02-2028 (every 5 years)
Vacuum Check Manifold	P/N 1H5-28 S/N 23039-4 | 02-22-2023	On condition
Fuel Injector Nozzle Cleaning	Performed 03-01-2026	Next due 03-2027
Muffler / Heat Exchanger	Original — past 1,000-hr threshold	Inspect condition — replacement recommended

SECTION 7 — MAJOR ALTERATIONS (FAA FORM 337)

Date	Description	Agency
09-26-2003	Installed M-20 Turbos air/oil separator per STC SA02033AT; new alternator P/N 653344A1	Woodland Aviation Inc. CRS AWKR298C
03-11-2019	Avionics upgrade: removed ARNAV ICDS 2000 MFD / GTX-327 / ACK A30 encoder. Installed GTX-345 ADS-B Out transponder	Park Rapids Avionics Inc. K15R981Y

Date	Description	Agency
	P/N 011-03302-00; Garmin GAE-12 altitude encoder. Complies with 14 CFR 91.227 ADS-B Out. Systems tested to 20,000 ft. Weight and balance recomputed.	

— END OF HISTORICAL REPORT —

Prepared March 2026 from aircraft logbooks: N161KT Airframe #1, N161KT Airframe #2, Engine Log, Propeller Log, FAA 337s, 8130s, Status Sheet, and Transponder Installation records.