



Steel Aviation

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Estimate

WO_734

Date: August 14, 2025

Memo: N315DB ANNUAL

AIRCRAFT

N315DB

CIRRUS DESIGN CORP SR22 S/N: 1596
TACH: 1805.1

CUSTOMER



Item	Discrepancy	Parts	Labor	Misc	Authorize
1.	Airframe Annual	\$0.00	\$2,688.00	\$0.00	approved / signature
2.	Engine Annual	\$200.00	\$2,688.00	\$0.00	approved / signature
	8 qt x 20W-50X/C Oil @ \$11.29	\$90.32			
	1 x AA48108-2 TEMPEST OIL FILTER @ \$38.90	\$38.90			
	1 x MS29513-137 O-Ring @ \$4.59	\$4.59			
3.	Prop Annual	\$0.00	\$336.00	\$0.00	approved / signature
4.	sealant on upper antennas degraded, coming off,	\$0.00	\$336.00	\$0.00	approved / signature
5.	LF upper wheel pant cuff paint chipped off exposing composite.	\$0.00	\$0.00	\$0.00	rejected
	Remarks: - ESTIMATE ON REQUEST				
6.	nose wheel pant fwd cover has protective cover scuffing from tow bar .	\$0.00	\$0.00	\$0.00	rejected
	Remarks: - ESTIMATE ON REQUEST				
7.	Magnetos are @ 19 degrees. need set to data tag spec.	\$0.00	\$168.00	\$0.00	approved / signature
	Remarks: - SEE TIMING UNDER ENGINE AND SEE 500 HOUR MAGNETO REPLACEMENT				
8.	RH turbo support bracket @ wastegate, broken off . needs replaced.	\$310.83	\$504.00	\$0.00	approved / signature
	1 x 22-6200035 SUPPORT BRACKET, WASTEGATE, R/H @ \$218.75	\$218.75			
	1 x MS21250-05020 Bolt @ \$92.08	\$92.08			
9.	EX heat shields LF have rusted breeze clamps. need replaced.	\$5.92	\$252.00	\$0.00	rejected
	2 x 200-28H BREEZE CLAMP #28, 1 5/16 - 2 1/4 @ \$2.96	\$5.92			
10.	LF turbo support rod/ bushing worn pass limits, both need replaced.	\$31.25	\$504.00	\$0.00	approved / signature
	1 x 22-6200048 TURBO SUPPORT ROD SLEEVE, TAT @ \$12.50	\$12.50			
	1 x 22-6200021 BUSHING, SUPPORT ROD BRACKET, LONG @ \$18.75	\$18.75			

Item	Discrepancy	Parts	Labor	Misc	Authorize
11.	LF intake tubes # 4 # 6 need yellow Adel clamps installed & remove zip ties. supporting ignition leads. 3 x AS4149WDF32 Adel Clamp @ \$4.73 2 x AS4149WDG6 Adel, 3/8" Tube OD @ \$2.91	\$20.00 \$14.19 \$5.82	\$252.00	\$0.00	approved / signature
12.	2 Adel clamp needs installed @ upper rear of engine case to support ignition leads. 2 x AS4149WDF32 Adel Clamp @ \$4.73	\$20.00 \$9.46	\$252.00	\$0.00	approved / signature
13.	TKS nozzle @ prop needs removed & examine tip for orifice damage. if need to replace TBD <i>Remarks: - PARTS COST TBD IF NEEDS REPLACED WON'T KNOW UNTIL AFTER INSPECTION</i> 1 x 22-7250002 TKS nozzle (T.A.T.) @ \$312.50	\$343.75 \$312.50	\$168.00	\$0.00	approved / signature
14.	# 2 ex valve leaking @ compression test. bore scope pictures on file.	\$0.00	\$0.00	\$0.00	rejected
15.	Door struts have plastic end caps. recommend upgrade to steel. <i>Remarks: PART OF MSB-52-08 THAT IS NOT LISTED COMPLIED WITH IN LOGS</i>	\$161.26	\$336.00	\$0.00	rejected
16.	LF ex fuselage heat shield debonded. recommend sealant applied.	\$0.00	\$504.00	\$0.00	approved / signature
17.	Fuselage grab handles slight loose. recommend tighten.	\$0.00	\$252.00	\$0.00	approved / signature
18.	Fuel staining on screw heads @ wing fuel panels LF & RH. recommend replace screws. 4 x MS24694C7 COUNTERSUNK SCREW, Fuel Tank @ \$0.21	\$20.00 \$0.84	\$168.00	\$0.00	approved / signature
19.	LF flap bearing @ torque tube bar is slightly loose, recommend replace W / new.	\$0.00	\$168.00	\$0.00	rejected
20.	RH /LF aileron primary stops not set correctly, bottom stops on LF/RH not hitting, top stops are.	\$0.00	\$168.00	\$0.00	approved / signature
21.	Nose tire has flat spot pass thread, dry cracking present also. 1 x 505C66-5 5.00-5 6ply tube tire @ \$349.13	\$349.13 \$349.13	\$336.00	\$0.00	approved / signature
22.	Nose gear fork pivot bushings worn, side play excessive. recommend replace. 2 x NAS77-8-050 Bushing @ \$15.35 2 x NAS1149F1032P Washer @ \$0.10 2 x 13705-003 SPACER, BUSHING, NLG @ \$0.95 2 x NAS6608-10D BOLT, CLOSE TOLERANCE @ \$22.95 2 x NAS77-10-013 BUSHING, FLANGED, PRESS FIT @ \$23.75	\$126.20 \$30.70 \$0.20 \$1.90 \$45.90 \$47.50	\$672.00	\$0.00	approved / signature

Item	Discrepancy	Parts	Labor	Misc	Authorize
23.	Battery # 1 failed CAPS test 2 times, 42% /80% passing. 1 x RG24-15M MAIN BATTERY, CONCORD, 24V @ \$1,156.25	\$1,156.25 \$1,156.25	\$0.00	\$0.00	approved / signature
24.	500 HOUR ENGINE MOUNT TORQUE	\$0.00	\$168.00	\$0.00	approved / signature
25.	500 HOUR MAGNETO INSPECTION	\$3,678.12	\$672.00	\$0.00	approved / signature
	<i>Remarks: - ESTIMATE ON REQUEST DUE BY HOURS. L/H NOT LISTED OVERHAULED SINCE NEW IN 2011, R/H OVERHAULED IN 2020 BUT OVER 500 HOURS AGO</i>				
	1 x 10-500556-101 MAGNETO @ \$1,837.21	\$1,837.21			
	1 x 10-500556-101 MAGNETO @ \$1,837.21	\$1,837.21			
	2 x 649954 TCM GASKET MAG @ \$1.85	\$3.70			
26.	ABSOLUTE PRESSURE CONTROLLER	\$0.00	\$0.00	\$0.00	rejected
	<i>Remarks: CH-5 FOR TORNADO ALLEY TURBO OVERHAUL @ 2000 HRS DUE @ 2401.6 RECOMMENDED @ 1000 HRS - ESTIMATE ON REQUEST</i>				
27.	ALTERNATOR #1 500 HOUR INSPECTION	\$0.00	\$672.00	\$0.00	rejected
	<i>Remarks: CH-5 ITEM DUE BY YEARS NOT HOURS. HAS 277.2 SINCE INSTALLED - ESTIMATED AT 4 HOURS LABOR, COULD COST MORE IF PARTS ARE FOUND TO NEED REPLACEMENT</i>				
28.	FLEXIBLE TURBO SYSTEM LINE	\$5,575.00	\$2,352.00	\$3,261.50	approved / signature
	<i>Remarks: - CH-4 ITEM FOR TORNADO ALLEY TURBO, NOT LISTED IN LOGBOOKS, KIT INSTALLED 2011 - WILL GET ESTIMATE FROM TAT MAY NEED ADJUSTED ONCE HERE BACK FROM TAT</i>				
	Hose duplication from Aero Hose Shop			\$3,261.50	
29.	FUEL BOOST PUMP	\$0.00	\$0.00	\$0.00	rejected
	<i>Remarks: CH-5 10 YEAR REPLACEMENT ITEM - ESTIMATE ON REQUEST</i>				
30.	MAGNETO PRESSURE FILTER	\$187.50	\$168.00	\$0.00	approved / signature
	<i>Remarks: - CH-5 TORNADO ALLEY TURBO</i>				
	1 x 04-6700015 Magneto pressurization filter @ \$187.50	\$187.50			
31.	OXYGEN BOTTLE	\$4,000.00	\$420.00	\$75.00	yes no
	<i>Remarks: - DOT REQUIRES 5 YEAR HYDROSTATIC TEST - BOTTLE IS DUE FOR 15 YEAR REPLACEMENT. BEST TO REPLACE WITH NEW BOTTLE THIS YEAR. ESTIMATED FOR NEW BOTTLE - COST FOR HYDRO IS \$1,868.75 PLUS SHIPPING - NEW BOTTLE/REG IS \$4,000 PLUS SHIPPING</i>				
	Oxygen Bottle Hydro Static			\$75.00	
32.	OXYGEN REGULATOR/VALVE	\$0.00	\$0.00	\$0.00	approved / signature
	<i>Remarks: - PART OF NEW BOTTLE IF THAT GETS DONE - PART OF 5 YEAR HYDROSTATIC COST</i>				
33.	PROP GOVERNOR	\$0.00	\$0.00	\$0.00	rejected
	<i>Remarks: - CH-5 ITEM DUE EVERY 5 YEARS OR 2000 HOURS - THIS ONE IS DUE BY YEARS NOT HOURS - ESTIMATE ON REQUEST</i>				
34.	RUDDER AILERON BUNGEE CORD	\$0.00	\$252.00	\$0.00	approved / signature
	<i>Remarks: - CH-5 ITEM DUE EVERY 5 YEARS - ESTIMATED FOR REMOVAL PER SB2X-27-18R2</i>				
35.	TKS FILTER	\$0.00	\$0.00	\$0.00	rejected
	<i>Remarks: - CH-5 ITEM - DUE EVERY 2 YEARS OR 1200 HOURS, DUE BY BOTH LAST LOGGED 2011</i>				
36.	CAPS PARACHUTE	\$0.00	\$0.00	\$0.00	yes no
	<i>Remarks: AIRWORTHY CH.4 ITEM DUE 6/2025 - C/W BY AVIAS</i>				
37.	CAPS ROCKET	\$0.00	\$0.00	\$0.00	yes no
	<i>Remarks: AIRWORTHY CH.4 ITEM DUE 6/2025 - C/W BY AVIAS</i>				


Item	Discrepancy	Parts	Labor	Misc	Authorize
38.	ELT REMOTE BATTERY <i>Remarks: CH.5 ITEM DUE NOVEMBER 2025 - ESTIMATE ON REQUEST</i>	\$0.00	\$0.00	\$0.00	rejected
39.	OXYGEN BOTTLE REPLACEMENT <i>Remarks: - RECOMMEND GETTING NEW BOTTLE SINCE 15 YEAR REPLACEMENT IS DUE NEXT YEAR - SEE ITEM #32</i>	\$0.00	\$0.00	\$0.00	rejected
40.	AD 24-24-11 UPPER POWER LEVER	\$0.00	\$0.00	\$0.00	yes no
41.	MSB2X-95-27R5 N/A by S/N of aircraft and date of CAPS repack <i>Remarks: - NOTHING NEEDS DONE AT THIS TIME. NOTE TO SHOP FOR RECORD KEEPING</i>	\$0.00	\$0.00	\$0.00	yes no
42.	MSB2X-95-33R3 N/A by previous compliance <i>Remarks: - NOTHING NEEDS DONE AT THIS TIME. NOTE TO SHOP FOR RECORD KEEPING</i>	\$0.00	\$0.00	\$0.00	yes no
43.	MSB2X-95-31R3 DUE at next (CAPS) parachute and rocket motor assembly replacement <i>Remarks: - NOTHING NEEDS DONE AT THIS TIME. NOTE TO SHOP FOR RECORD KEEPING</i>	\$0.00	\$0.00	\$0.00	yes no
44.	POH doesn't have the most current revision installed <i>Remarks: - CAN BE ORDERED OFF OF CIRRUS STORE.COM AND SHIPPED DIRECTLY TO THE OWNER OR WE CAN ORDER THROUGH US EITHER WAY WORKS. - ORDERED AND SET TO DELIVER TO STEEL AVIATION</i>	\$0.00	\$0.00	\$87.95	approved / signature
	POH Revisions A8-A10			\$87.95	

	Estimated	Approved
LABOR	\$15,456.00	\$13,608.00
PARTS	\$16,185.21	\$12,018.03
MISC	\$3,424.45	\$3,349.45
SALES TAX	\$0.00	\$0.00
TOTAL	\$35,065.66	\$28,975.48

This estimate includes the estimated labor hours and parts cost of all the items/discrepancies found during the inspection of the aircraft and logbook research. Each item is broken down into a category based on what was found and what is required to be airworthy. The categories are as follows: Airworthy- needs to be complied with for aircraft to be airworthy, Highly Recommended- items that Steel Aviation Highly recommends getting done but is not required, Recommended- items found that Steel recommends gets fixed but is not required to be airworthy, CH.5- these are CH.5 items found due by flight hours or calendar months, these are listed in Chapter 5 of the Cirrus Maintenance Manual and are recommended to be replaced or overhauled but are not required for airworthiness. CH. 4- are airworthy items and are required to be complied with for the aircraft to be airworthy. Cosmetic- Items found during inspection considered to be a cosmetic fix.

The items/discrepancies that are required to be complied with are the CH.4 Items and Airworthy items. The other items found during inspection are at the owner's discretion. This estimate includes the CH.5 items to give the owner an idea and list of what has not been complied with according to the logbook research.

Approvals

Items 1, 2, 3, 4, 7, 8, 10, 11, 12, 13, 16, 17, 18, 20, 21, 22, 23, 24, 25, 28, 30, 32, 34, 44 are authorized with this signature.
 on 23 May 2025, 3:32 PM.



Work Authorization

I hereby certify that I have the legal right to authorize repairs for the above listed Aircraft. I authorize **Steel Aviation** to perform the work required, purchase required parts and materials for the following numbered items:

5, 6, 9, 14, 15, 19, 26, 27, 29, 31, 33, 35, 36, 37, 38, 39, 40, 41, 42, 43

I agree to pay in full for the services described above upon successful completion of all listed service items including all parts, labor, fees, taxes, and other charges incurred during the performance of the service.

SIGNED: _____

PRINTED: _____