
ENGINE LOG
Mattituck

A.D. NU

The Accessories Listed Below Were Overhauled and Supplied With This Engine

ENGINE: O-320-E2D SN. L-38250-27A DATE 7 Nov 89

	P/N	S/N		P/N	S/N
L MAG	4271	89090337	PROPELLER	DNA	
R. MAG	4270	89090276	PROP. GOV.		
ALT./GEN.	1570213-6	103089IT	TACH. GEN.		
INJ./CARB.	10-5062	CC71777	TURBO CHARGER		
FUEL PUMP	DNA		WASTE GATE		
STARTER	MZ-4222	12G000324	CONTROLLER		
VAC. PUMP	DNA		CONTROLLER		
HYD. PUMP	DNA		REL. VALVE	DNA	

MATTITUCK AIRBASE INC.
F.A.A. Repair Station No. 3533
W.O. No. 13510

Mattituck

Marlow P. Russell
Authorized Signature

INSPECTION & MAINTENANCE RECORD

This is to certify that the engine described hereafter has been rebuilt to manufacturer's new parts limited by Mattituck Airbase Inc.
Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. All applicable Airworthiness Directives and Manufacturer's Service Bulletins are in compliance. A description of these repairs is on file at this agency under:

JOB NO. 13510 DATED 7 Nov 89

MFG. Lycoming MODEL O-320-E2D

Serial No. L-38250-27A Time in svc. 3421.9 HRS

MATTITUCK AIRBASE INC.
F.A.A. REPAIR STATION # 3533
AIRWAY DRIVE, MATTITUCK, L.I., N.Y. 11952

Stephen P. Russell
Authorized Signature

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
11-19-89	TACH TIME	6213.1 HRS INSTALLED ENGINE IN CESSNA 172L REG# N38509 S/N 17259950 WITH NEW SHOCK MOUNTS AND BOLTS, SERVICED WITH 8 QTS 40 MINERAL AEROSHELL, INSTALLED NEW AIR FILTER ELEMENT, FLUSHED OIL COOLER, REPAIRED BAFFLING, REMOVED EGT SYSTEM, INSTALLED NEW ALTERNATOR BELT, CLEANED ENGINE, RAN AND LEAK CHECKED O.K., ADJUSTED IDLE MIXTURE AND IDLE SPEED
		I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. ~~TOTAL TIME~~ SMOH 0 HRS
		Kim A. Barnett IA231661372
12/10/89	TACH 6249.2	Changed oil 7 qts 15w-50 Aeroshell, full flow CH48110 rotated plugs, checked battery OK. Dale Whittington CP 1672634
1/14/90	TACH 6309	Changed oil 7 qts 15w-50 AeroShell, CH48110 filter changed plugs, Pump OK, leak checked Dale Whittington CP1672634

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
2/4/90	TACH 6371	Changed oil 7 qts 15w-50, filter CH48110, rotated plugs. Dee Whittington CP672634
2/27/90	TACH 6430.1	Changed oil 7 qts 15w-50 filter CH48110 Dee Whittington CP 672634
03-02-90	-	Weld crack in exhaust pipe. Shim some cowl mounts. W.O.# 6634 Robert Kennedy CRS116-20
3/21/90	TACH 6485.1	Changed oil 7 qts 15w/50 PennShell CH48110 Filter, changed plugs. Pump OK. Dee Whittington CP672634
4/16/90	TACH 6537.9	Changed oil, 7 qts, filter CH48110, air filter, serviced battery Dee Whittington CP672634 Pump OK.

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
8/29/89	TACH 6579.2	Installed overhauled 211CC Vacuum pump, serial # 22134, main vacuum filter and garter filter. Pump and checked OK. W.O.# 6707 Dale Hoffman Prop CP8/16-28
5/1/90	6589.3	Changed oil 7 qts 15w-50, CH48110, Pulled plugs. Jerry Hogan PP
5/20/90	6642.0	Changed oil 7 qts 15w 50 AeroShell, filter CH48110 Changed plugs. Dee Whittington CP 672634
6/17/90	6707.3	Changed oil 7 qts 15w-50 AeroShell, filter CH48110 Changed plugs. Dee Whittington CP 672634
8/14/90	6809.4	7 qts 15w-50 AeroShell, CH48110 filter. New SR-88 plugs. Cleaned and serviced battery Dee Whittington CP 672634

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
8/21/90	TACH 6823.1	- ENGINE COMPRESSION CHECKED: #1 72/80, #2 76/80, #3 72/80, #4 75/80; ADJUSTED LEFT MAGNETO TO 25° BTC. J. H. Lindeman CRS 116
9/6/90	TACH 6864.6	7 qts 15w-50 AeroShell, CH 48110 filter. Dee Whittington CP 672634
10/2/90	6920.0 TACH	7 qts 15w-50 AeroShell, CH 48110 filter, chang plugs SB 88. Pump OK. Dee Whittington CP 6726
10/16	TACH 6974 Hobbs 3137.7	Changed oil 7 qts 20w 50 Phillips, CH 48110 filter Pump OK CP 1672634 Dee Whittington
11/5/90	TACH 7017	7 qts 20w-50 Phillips, CH 48110 filter, chan plugs SB-88, reversed trim to equalize w Replaced central vacuum filter, replaced vacu regulator gator filter, replaced baffling on front of engine touching nose bowl, replac bracket air filter element BA-4106

RAPCO™ Inc.
REPLACEMENT AIRCRAFT PARTS CO.
HARTLAND, WI MADE IN USA

Air Filter

Changed at:	Next Change
7017.7 Hrs.	_____ Hrs.
Date 11-5-90	

Mattituck Airbase,
Mattituck, New York 11952
FAA Repair Station QX2R125L

SERVICEABLE PARTS TAG

W.O. NO. 4430 SER. NO. 20934
OWNER WING NUTS PART NO.
PART NAME O-320
REMARKS STD STEEL CYL. with RINGS
DATE 11/20/90 INSPECTOR B of M Shaw

RECORD

		ANCE PERFORMED / FICATE NO.
		75/60 #3 10/60 #4 75/60
		LVE BURNT & GUIDE
		NE FROM MATTITUCK
		ES. INSTALL NEW
		2 New exhaust pipe
		cyl primer line
	REPAIR #3 cyl baffle. Service with 8 qts Shell 80	
	OIL. RUN UP GRD. MAG CK'D 75 RPM DROP AND	
	SMOOTH BOTH MAGS. NO LEAKS AT SCREENS OR	
	#3 cyl. clean fuel SCREENS. REPLACE PLUNGER	
	AND "O" RING IN fuel STRAINER. REPLACE ENG	
	MOUNT (SEE A/F LOG FOR YELLOW TAG)	
	TACH TIME: 7017.8 Robert Kenney CRS 11-20	
	Installed new battery, Concorde 25.	
12/11/90	TACH 7053.7	Changed oil, 7 qts 20w/50 Phillips, filter CH48110, champ plugs, fuel trans.

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
11-28-90		Compression CK'D #1 75/80 #2 75/80 #3 10/80 #4 73/80 Remove #3 cyl AND FOUND EX VALVE BURNT & GUIDE CRACKED REPLACE CYL WITH ONE FROM MATTITUCK WITH NEW GASKETS, RINGS, VALVES. INSTALL NEW MUFFLER 500012 7B-1 S/N- 0 2842 New exhaust pipe ON #1 & #3 cyl REPLACE #1 cyl primer line REPAIR #3 cyl baffle. Service with 8 qts Shell 80 OIL. RUN UP GRD. MAG CK'D 75 RPM DROP N SMOOTH BOTH MAGS. NO LEAKS AT SCREENS OR #3 cyl. clean fuel SCREENS. REPLACE PLUNGE ADD 'O' RING IN fuel STRAINER. REPLACE ENG MOUNT (SEE A/F LOG FOR YELLOW TAG. TACH TIME: 7017.8 Robert Kenney CRS 11-20 Installed new battery, Concorde 25.
12/11/90	TACH 7053.7	Changed oil, 7 qts 20w/50 Phillips, filter CH 48110, plugs, fuel trans.

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
1/15/91	7108 TACH	Changed oil, 7 qts 20w/50 Phillips, CH48110 oil filter. Rotated plugs. Dee Whittington CP 1672634 Pump OK.
2/13/91	7165 TACH	Changed oil, 7 qts 20w/50 Phillips, CH48110 oil filter changed plugs, serviced battery. Dee Whittington 1672634
3/10/91	7211.5	Changed oil and filter 7 qts 20w-50, CH48110 Pump OK. Dee Whittington CP 1672634
4/15/91	7278.4	Changed oil 7 qts 20w/50 Phillips, filter CH48110 changed plugs, serviced Battery, pumped tires. Dee Whittington CP 1672634
5/7/91	7323.4	Changed oil, 7 qts 20w-50, CH48110 filter, BA6608 air filter, pumped tires. Dee Whittington CP 1672634
5/2/91	7315.9	Changed landing light Bulb 4522. Dee Whittington 1672634
5/23/91	7370.7	Changed oil, 7 qts 20w-50 Phillips, CH48110 filter, cleaned plugs, 2 cowl Lord mounts J-7444 Dee Whittington CP 1672634

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
6/17/91	7409.7	Changed oil 7 qt. 20w-50, filter CH48110, 4 plugs SR88's, serviced battery.
		Dee Whittington cP 1672634
6/18/91	TACH 7409.7	- REPLACE ALL SPARK PLUGS; CLEAN ALL FUEL FILTERS; CK MAG POINTS & TIMING, INTAKE & EXHAUST SYSTEMS, ACCESSORIES, WIRING, LINES; TIME MAGS TO 25° BTC; REPAIR REAR BAFFLE ENGINE BRACKET; ENGINE COMPRESSION CHECK: #1 75/80, #2 80/80, #3 80/80, #4 75/80; ENGINE WASHED DOWN & GROUND RUN GOOD.
		J. N. Adams CRS HN1R198K
		-OVER-

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		CHESTERFIELD COUNTY AIRPORT F.A.A. APPROVED STATION #116-20 THE ~~AIRCRAFT~~ ENGINE IDENTIFIED HERE WAS INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF INSPECTION ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NUMBER 7202 . TOTAL TIME 3618.4 HRS 196.6 SMOH DATE 6/18/91 SIGNED J. H. Anderson CRSHWLR198K INSPECTOR
2/16/91	7458.3 Hobbs 3719.9	Changed oil, 7 qt 20W/50 Phillips, CH48110 filter. Bump OK. CP 1672634 Dee Whittington
8/7/91	7502.9	Changed oil 7 qt 20W/50 Phillips, CH 48 110 filter, New Landing light bulb CP 1672634 Dee Whittington
9/3/91	7560.9	Changed oil 7 qts 20W/50 Phillips, CH 48110 filter serviced battery, Changed plugs. changed air filter CP 1672634 Dee Whittington
★		

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
9-10-91	7568.1	Install alt DOFF 10300 J S/n- A-75741 MFG S/n- 82832. Run up and Charge Ok 13.5 - 14.0 volts at VArying loads and speeds Robert Kennedy HNIR198K
9-091	7572.1	Install McCauley prop 1C160/ CTM7553 S/n- 710308 after overhaul by H&H prop Robert Kennedy HNIR198K
9/24	7592.2	Prop balance checked by VA Aviation .15 IPS OK.

23

24

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
10-1-91		Remove VAC PUMP 211CC S/N RAPCO 22134 AND INSTALLED P/N- 1U128-005 MODEL 1U12B S/N-T13443D. Used new gasket & REPLACED filters. Rud ops & RPM ops ck ok. TACH 7612.6 Robert Kennedy HN IR198K
10/1/91	7612.6	Changed oil, 7 qts 20W-50 Phillips, filter CH48110, serviced battery, changed plugs. Dee Whittington CP 1672634
10/22/91	7658.0	Changed oil, 7 qts 20W-50 Phillips, filter CH48-110. Changed plugs & SR88's. Runup + test flight OK. Dee Whittington CP 1672634
11/24/91	7710.0	Changed oil, 7 qts 20W-50 Phillips, filter CH48110 CP Dee Whittington 1672634
12-10-91	4069.0 Hobbs	Installed New Starter bendix ops checked OK Robert Kennedy ATP-0184
✱		

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
12/20/91	7759.3	Changed oil, 7 qts 20w/50 Phillips, filter CH48-110, Changed all plugs SR88, serviced battery. Rump OK. CP Dee Whittington 1672634
1/17/92	7815.6	Changed oil, 7 qts 20w/50 Phillips, filter CH48-110, serviced battery, Rump OK CP Dee Whittington 1672634
2/8/92	7873.8	Changed oil, 7 qts 20w/50 Phillips, filter CH48-110, Serviced battery CP Dee Whittington 1672634
3/1/92	7917.4	Changed oil, 7 qt. 20w/50 Phillips, filter CH48-10
Hobbs	4258.5	Rump OK. Dee Whittington CP 1672634
5		

26

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
3-2-92	TACH	7920.3 Tsmoh 1715.8 #4 137.7 Compression 75/80 75/80 75/80 75/80. Spark Plugs Replaced Run up Leak Ck.

DOMINION AVIATION SERVICES, INC.
FAA APPROVED STATION # CDAA-015H
THE AIRCRAFT/ENGINE IDENTIFIED HERE WAS
INSPECTED IN ACCORDANCE WITH A Annual
INSPECTION AND FOUND AIRWORTHY FOR RETURN
TO SERVICE. PERTINENT DETAILS OF INSPECTION
ARE ON FILE AT THIS AGENCY UNDER WORK ORDER
NUMBER 1321 TOTAL TIME 7920.3
DATE 3-2-92
SIGNED Robert L Hennigan
INSPECTOR

5/3/92	8049.6	Changed oil 7 qts 20W-50, CH 48110 filter Serviced battery. Runup OK CP Dee Whittington 1672634
5/26/92	8110.7	Changed oil 7 qts 20W-50 CH 48110 filter Serviced battery. Runup OK. C.P. Dee Whittington 1672634

INSPECTION & MAINTENANCE RECORD

27

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
5-29-92	8119.3 Tach	Adjust mag timing to 25° BTC (E leads & spark plugs OK. Run up on gro It may drop 100 RPM & smooth, If mag Drop 75 RPM & smooth, Return to service CRS ODAR-018H

LOG BOOK ENTRY

Please affix to your aircraft/engine log book.

VA VIRGINIA AVIATION

N# N3850Q FAA Repair Sta. #RSUR804H Date 05/22/92

Tach 8097.1 WO# 10352,M920325

Engine will not start/Found LH Mag. points not indicating closing with timing light-Removed and dis-assembled mag, found corrosion at terminal for points, cleaned and adjusted points. Reassembled and reinstalled mag-timed to 25BTDC. Ground ops check good. See WO# 10352

-End-

VA Virginia [redacted]

[redacted] Service Center

P. O. Box 4209, Lynchburg Municipal Airport, Ly[redacted] 24502

28

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
6-4-92	TACH 8140.0	Remove starter install brushes & STARTER DRIVE S/n-9149. Starter OPS OK 4 times OK. Starter MZ4222 S/n-126[illegible] Robert Kennedy CRS [illegible]

Mfg. PRESTOLITE
Serial No. 9149 Part No. ESEBB1310
Model ESI P/N 02043
STARTER DRIVE

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was overhauled and inspected in accordance with Current Regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the overhaul are on file at this repair station under:

Work Order No. 9643 Date 12/02/91

Signed Thomas Nanell

ELECTROSYSTEMS, INC. P.O. Box 273 205/227-6306 TWX

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
6/12/92	8157.6	Changed oil, 7 qts 20w/50 Phillips. CH-48110 filter. Pumped tires. Dee Whittington Pump OK. CP 1672634
7/7/92	8214.9	Changed oil, 7 qts 20w/50 Phillips, CH 48-110 filter. Checked battery for fluid. Pump OK Dee Whittington CP 1672634
7/7/92	Tach 8214.9	Performed compression ck 76/80 76/80 68/80 66/80 Cont. Hovangir ODAR018H
7/24/92	8262.6	Changed oil 7 qts 20w/50 Phillips, filter CH48110 plugs. Checked battery. Pump OK. Checked alternate voltage at cigar lighter. Idle, no load 14.1. Full load 13.2.

38

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
8-29-92	TACH 8321.5	
	Removed engine for	
	from 3850Q	
	Rebuilt Avenger ODAR018H	

30

See Maint log