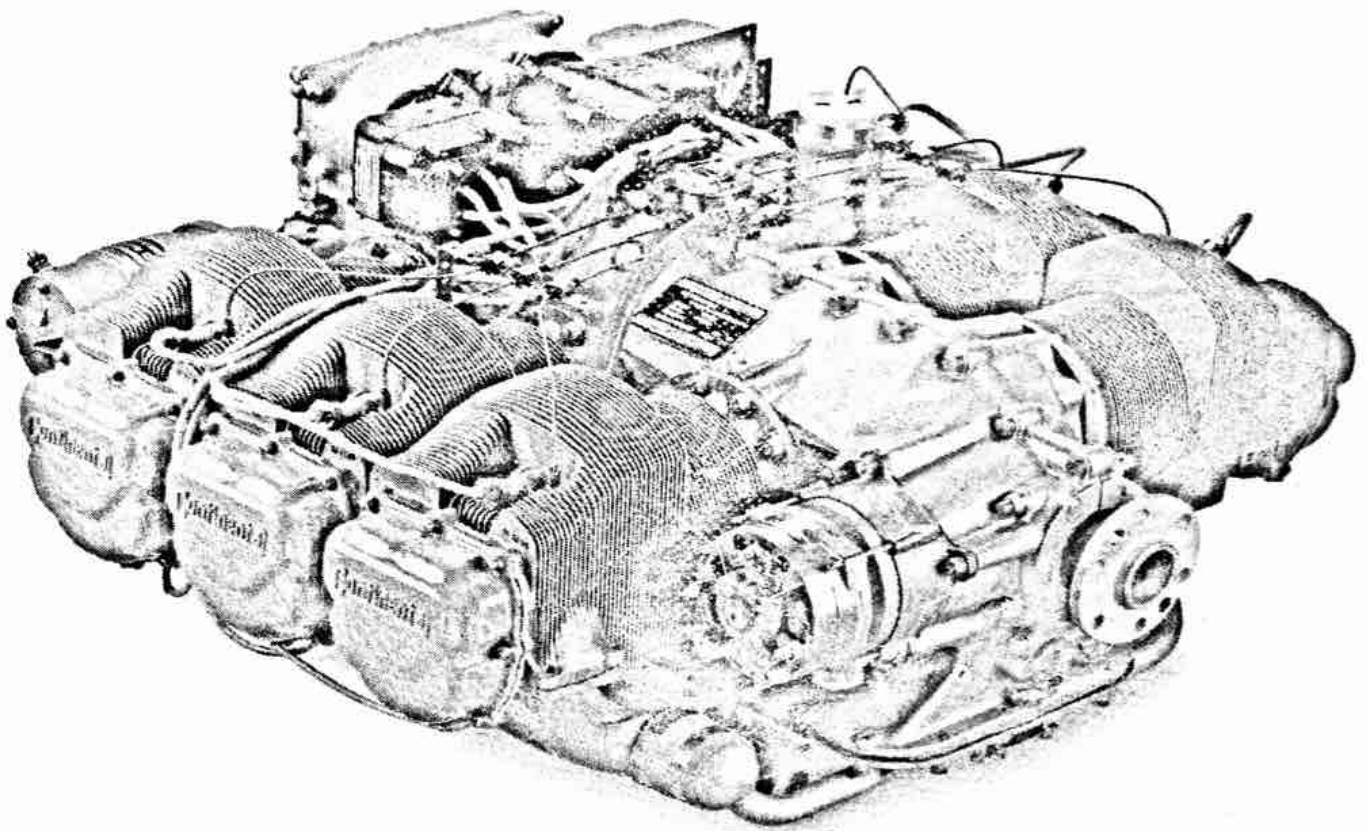


# ENGINE LOG BOOK



**Teledyne Continental Motors, Inc.**

### Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

### Engine Returns

All returned engines are to be shipped with this log book Directly to:

Teledyne Continental Motors  
Abbeville Industrial Park  
Suite 159  
Abbeville, AL 36310

**USE ONLY FUEL CONFORMING TO ASTM D910  
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



**Teledyne Continental Motors, Inc.**

A Teledyne Technologies Company

Printed: 12/22/2005

This engine model 10360ES6, Serial No. 360120 was manufactured on 12/21/2005 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



**TELEDYNE CONTINENTAL MOTORS**

**A TELEDYNE TECHNOLOGIES COMPANY**

**PRODUCTION CERTIFICATE NO. 508**

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

DATE: 3-07-06  
A/C S/N: 1614  
TTAF: 25.8

N790CD

HOBBS: 25.8

### ENGINE LOG ENTRY

Changed oil, added 8 qts. Aeroshell 100W straight mineral and filter p/n: CH48108-1. Cut old filter no metal particles found. Ran engine, checked for leaks, ok. For details see W.O. 0857

*[Signature]*  
Alca Avionics, Inc.  
FAA Repair Station L3CR595J

Naples Air Center, Inc.  
230 Aviation Drive North  
Naples, Florida 34104  
N790CD DATE: 4/26/06 WO: 10153  
HOBBS: 53.8

### ENGINE LOG

CHANGED OIL AND FILTER. DRAINED OIL INSPECTED AND REPLACED CH48108-1 FILTER, SERVICED WITH 8 QTS PHILLIPS 20W-50 OIL. RUN UP AND LEAK CHECK GOOD. INSTALLED OIL QUICK DRAIN.

*Russ Witt*  
Russ Witt

Naples Air Center, Inc. CRS XO4R655M

**ADVANCED AIRCRAFT CENTER, INC.**  
14300 SW 129<sup>TH</sup> STREET  
MIAMI, FLORIDA 33186  
PHONE # 305-259-8291

Date:	8/2/2006	ENG. Total Time:	97.8	Tach	NONE	Hourmeter:	97.8
Manufact:	TCM	Model:	IO-360-ES	Ser. No.:	360120	Reg:	N790CD

### ENGINE MAINTENANCE NOTES

1. DRAINED OIL, REPLACED CH48108 FILTER ELEMENT, SERVICED ENGINE WITH 8 QTS OF PHILLIPS 20W50 OIL. INSPECTED FILTER ELEMENT, NO LEAKS NOTED
2. INSTALL REPAIRED # 5 EXHAUST PIPE

MAINTENANCE RELEASE  
THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER WORK ORDER NO. # AG8206 DATE: 08/02/2006  
SIGNATURE OF AUTHORIZED REPRESENTATIVE: *[Signature]*  
FOR: ADVANCED AIRCRAFT CENTER, INC. PETER J. LO BELLO AP735430301A

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward		→			

**ADVANCED AIRCRAFT CENTER, INC.**  
 14300 SW 129<sup>TH</sup> STREET  
 MIAMI, FLORIDA 33186  
 PHONE # 305-259-8291

Date:	8/30/2006	ENG.Total Time:	110.4	Tach	NONE	Hourmeter:	110.4
Manufact:	TCM	Model:	IO-360-ES	Ser. No.:	360120	Reg:	N790CD

#### ENGINE MAINTENANCE NOTES

1. INSTALL NEW # 5 EXHAUST PIPE, P/N# 10351-002, WITH NEW GASKET, P/N# 630365 AND EXHAUST NUTS, P/N# 5089-001.

#### MAINTENANCE RELEASE

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER WORK ORDER NO. # AG83006 DATE: 08/30/2006

SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC. PETER J. LO BELLO AP73543030IA

**ADVANCED AIRCRAFT CENTER, INC.**  
 14300 SW 129<sup>TH</sup> STREET  
 MIAMI, FLORIDA 33186  
 PHONE # 305-259-8291

Date:	11/10/2006	ENG.Total Time:	146.3	Tach	NONE	Hourmeter:	146.3
Manufact:	TCM	Model:	IO-360-ES	Ser. No.:	360120	Reg:	N790CD

#### ENGINE MAINTENANCE NOTES

1. DRAINED OIL, REPLACED CH48108 FILTER ELEMENT, SERVICED ENGINE WITH 8 QTS OF PHILLIPS 20W50 OIL. INSPECTED FILTER ELEMENT, NO LEAKS NOTED

#### MAINTENANCE RELEASE

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER WORK ORDER NO. # AG111006R1 DATE: 11/10/2006

SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC. PETER J. LO BELLO AP73543030IA

PHONE # 305-259-8291

Date:	3/12/2007	Total Time:	167.4	Hobbs:	167.4	
Manufact:	TCM	Model:	IO-360-ES	Ser. No.:	360120	Reg: N790CD

Record  
al Inspections

#### ENGINE ENTRY

1. PERFORM 100HR/ANNUAL INSPECTION PER THE CIRRUS SR20 INSPECTION GUIDE.
2. COMPRESSION CHECK #1, 73/80, #2 74/80, #3 75/80, #4 70/80, #5 73/80, #6 70/80
3. SECURED ALL ROCKER BOX COVERS
4. CLEANED AND GAPPED ALL SPARK PLUGS
5. INSTALLED NEW LEFT POSITION SLICK MAGNETO, P/N# 6314, S/N# 06061001
6. INSTALLED NEW BA-24 INDUCTION AIR FILTER
7. CLEANED ALL FUEL NOZZLES

#### MAINTENANCE RELEASE

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY, UNDER FAR 43 APPENDIX "D" ANNUAL INSPECTION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER WORK ORDER NO. # AG2507 DATE: 3/12/2007

SIGNATURE OF AUTHORIZED REPRESENTATIVE: 

FOR: ADVANCED AIRCRAFT CENTER, INC. PETER J. LO BELLO AP735430301A

#### ADVANCED AIRCRAFT CENTER, INC.

14300 SW 129<sup>TH</sup> STREET  
MIAMI, FLORIDA 33186  
PHONE # 305-259-8291

Date:	11/15/2007	ENG.Total Time:	199.8	Hobbs:	199.8	
Manufact:	TCM	Model:	IO-360-ES	Ser. No.:	360120	Reg: N790CD

#### ENGINE MAINTENANCE NOTES

1. DRAINED OIL, REPLACED FILTER ELEMENT, SERVICED ENGINE WITH PHILLIPS 20W/50 OIL. INSPECTED OLD FILTER ELEMENT, NO LEAKS NOTED

#### MAINTENANCE RELEASE

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER WORK ORDER NO. # AG111507 DATE: 11/15/2007

SIGNATURE OF AUTHORIZED REPRESENTATIVE: 

FOR: ADVANCED AIRCRAFT CENTER, INC. LUIS RAMIREZ AP2795060

LOIS RAMIREZ AP2795060

**ADVANCED AIRCRAFT CENTER, INC.**

14300 SW 129<sup>TH</sup> STREET

MIAMI, FLORIDA 33186

PHONE # 305-259-8291

Date:	6/27/2008	Total Time:	221.0	Hobbs:	221.0	
Manufact:	TCM	Model:	IO-360-ES	Ser. No.:	360120	Reg: N790CD

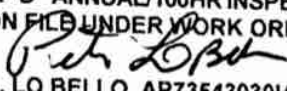
**ENGINE ENTRY**

1. PERFORM ANNUAL/100HR INSPECTION PER THE CIRRUS SR20 INSPECTION GUIDE
2. DRAINED OIL, REPLACED FILTER ELEMENT, INSPECTED OLD FILTER ELEMENT FOR METAL, NONE NOTED, SERVICED ENGINE WITH PHILLIPS 20W50 OIL
3. COMPRESSION CHECK #1 73/80, #2 74/80, #3 71/80, #4 69/80, #5 72/80, #6 73/80
4. SECURED ALL ROCKER BOX COVERS
5. CLEANED AND GAPPED ALL SPARK PLUGS
6. CLEANED ALL FUEL NOZZLES
7. INSTALL NEW COMPRESSION SPRING AND FASTNER BETWEEN #1 AND #3 CYLINDERS, P/N# 641347 AND 641346

**MAINTENANCE RELEASE**

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY, UNDER FAR 43 APPENDIX "D" ANNUAL/100HR INSPECTION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER WORK ORDER NO. # AG52608 DATE: /2008

SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC.  PETER J. LO BELLO AP735430301A



**ADVANCED AIRCRAFT CENTER, INC.**14300 SW 129<sup>TH</sup> STREET

MIAMI, FLORIDA 33186

PHONE # 305-259-8291

Date:	12/01/2008	Total Time:	230.9	Hobbs:	230.9	
Manufact:	TCM	Model:	IO-360-ES	Ser. No.:	360120	Reg: N790CD

**ENGINE ENTRY**

1. PERFORM CIRRUS PRE-BUY INSPECTION
2. DRAINED OIL, REPLACED FILTER ELEMENT, INSPECTED OLD FILTER ELEMENT FOR METAL, NONE NOTED, SERVICED ENGINE WITH PHILLIPS 20W50 OIL
3. COMPRESSION CHECK #1 70/80, #2 70/80, #3 69/80, #4 68/80, #5 66/80, #6 70/80
4. SECURED ALL ROCKER BOX COVERS
5. TOOK OIL SAMPLE AND FILLED OUT ALL FORMS

**MAINTENANCE RELEASE**

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY, AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER WORK ORDER NO. # AG120108 DATE: 12/01/2008

SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC. PETER J. LO BELLO AP735430301A

**Exec Air LLC**

Hilton Head Island Airport (HXD)

71 Summit Drive  
Hilton Head, SC 29926-3600  
(843) 681-4705

info@ExecAirHiltonHead.com

Cirrus SR20  
S/N - 1614**N790CD**

01/23/09

Hobbs 264.8

1. 50 Hour Inspection IAW Cirrus Design AMM Chapter 5-20. Serviced engine with CH48108 filter. 8 quarts of Phillips X.C 20W-50.
2. Removed, cleaned and serviced gascolator with new stat-o-seal and packing P/N NAS1523-8B. P/N MS29513-137 IAW AMM 28-30.
3. Install Reiff Preheat System Small 6 cylinder P/N CH38-SS6

0-Discrepancy; 1-Corrective Action; 2-Complied with; 3-Not in accordance with; 4-AMM-Aircraft Maintenance Manual; P(S)-Part (Serial) Number; R&R-Removed and Replaced

This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service.  
Gene Salazar, A&P 2652415

**Exec Air LLC**

Hilton Head Island Airport (HXD)

71 Summit Drive  
Hilton Head, SC 29926  
(843) 681-4705

info@ExecAirHH.com

Cirrus SR20  
S/N - 1614**N790CD**

6/10/09

Hobbs 281.1

1. 100Hour Annual Inspection C.W. FAR 43 appendix D and IAW Cirrus AMM Chapter 5-20
2. D: Excessive corrosion found on exterior portion of the crankshaft. C.A. Removed engine IO-360-ES6, s/n 360120, sent to Certified Engines FAA Repair Station KG4R309M. WO# 32052-000. Reinstalled engine.
3. Serviced engine with new induction air filter, Champion oil filter and 8 qts of Phillips 20-50 mineral oil. P/N BA-24. P/N CH48108

Pg. 1

0-Discrepancy; 1-Corrective Action; 2-Complied with; 3-Not in accordance with; 4-AMM-Aircraft Maintenance Manual; P(S)-Part (Serial) Number; R&R-Removed and Replaced

This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service.

Ralf Schey, 496986186 1A

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

18 May 2009

~~CONTINUED TIME REPAIR~~~ This Teledyne engine, model, IO-360 ES(6) s/n 360120, was received with complaint of excessive rust in the front radius of the crankshaft. Engine was disassembled, cleaned & inspected. All cylinders gas checked (no leaks found), deglazed & new rings gapped & fitted. Installed OHC Crankshaft s/n N05BA206 was supplied by Teledyne Factory. Engine reassembled according to guidelines from TCM OH Manual X30594A & given a 1 hr performance run on test stand with all temps, compressions, & pressures within those as prescribed by the factory. Oil filter checked clean. This engine is airworthy & ready for return to normal service. TSFN is 280.4

1 646543A1	GASKET SET-360'S	1 637083	SPRING-O-PRESS REL VLV
6 642917-16	HOSE-INTK 1.75 ID 2.50 LN	4 36025	TAB WASHER
1 631928	HOSE	25 501867	WASHER-TAB
1 24770	C/S PLUG	3 MS35756-8	KEY WOODRUFF
2 632050	BUSHING-COUPING	1 MS20066-98	KEY
1 530917	SEAL-OIL CRKSHAFT	4 655269	BUSHING-MAG DRIVE COUP
1 653129	CRANKSHAFT & DAMPER ASM, OHC- customer supplied	1 MS9144-01	PROP GOVERNOR GASKET
1 646597A1	BEARING SET	1 655224-1	TUBE-INDUCTION #3
12 642338	BEARING-CONN ROD	6 649225P005	RING - SET
4 654586	SCREW-.3125-24 X .36 HEX	1 CH48108-1	OIL FILTER
4 654584	BOLT-.3125-24UNF3A X 1.00	12 653906	LIFTER ASM-HYDRAULIC
12 654487	NUT-CONNECTING ROD		
12 22022	EXHAUST NUT		

Certified Engines Unlimited, Inc.

Authorized Signature

Frank Novak Jr

Opa Locka Airport, Opa Locka, FL

FAA CRS# KG4R309M

Date: 18 May 2009

Invoice / Work Order: 51443/32052



**Exec Air** LLC

Hilton Head Island Airport (HXD)

71 Summit Drive  
Hilton Head, SC 29926-3600  
(843) 681-4705  
info@ExecAirHiltonHead.comCirrus SR20  
S/N - 2073

10/20/09

**N790CD**

Hobbs 370.8

1) Drained oil and service engine with new Champion Filter P/N CH48108 and 8 qts of Phillips X/C 20W-50. Opened filter, checked - OK. Oil sample taken.

0-Discrepancy; C/A-Corrective Action; C/W-Complied with; IAW-In accordance with; AMM-Aircraft Maintenance Manual; P(S)/N-Part (Serial) Number RBR-Removed and

This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service.

Gary Gildner A&amp;P 3119422

e-n-g-i-n-e-o-i-l

**Exec Air** LLC

Hilton Head Island Airport (HXD)

71 Summit Drive  
Hilton Head, SC 29926  
(843) 681-4705  
info@ExecAirHH.comCirrus SR20  
S/N - 1614

3/8/10

**N790CD**

Hobbs: 464.8




- 1) 50 Hour Inspection IAW Cirrus Design AMM Chapter 5-20.
- 2) Engine oil: Drain and change with 7 qts of Phillips X/C 20W50. Oil Sample taken
- 3) Change oil filter with new P/N AA48109.

0-Discrepancy; C/A-Corrective Action; C/W-Complied with; IAW-In accordance with; AMM-Aircraft Maintenance Manual; P(S)/N-Part (Serial) Number RBR-Removed and Replaced


This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service.

Gary Gildner A&amp;P 3119422

e-n-g-i-n-e-o-i-l

		Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
		Hrs.	Min.	
Brought Forward <span style="font-size: 2em;">→</span>				
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> <p><b>Exec Air LLC</b></p> <p>Hilton Head Island Airport (HXD)</p> </div> <div style="width: 30%;"> <p>71 Summit Drive Hilton Head, SC 29926 (343) 681-4705 info@ExecAirHH.com</p> </div> <div style="width: 15%; text-align: center;">  <p>EXEC AIR SERVICE CENTER</p> </div> <div style="width: 20%;"> <p>Cirrus SR20 S/N - 1614 6/14/10</p> </div> <div style="width: 25%; text-align: right;"> <p><b>N790CD</b>  Hobbs: 528.0</p> </div> </div>				
<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <ol style="list-style-type: none"> <li>1 100Hour Annual inspection C/W FAR 43 appendix D and IAW Cirrus AMM Chapter 5-20</li> <li>2 Differential pressure check 1) 76; 3) 68; 5) 74; 2) 74; 4) 70; 6) 70 all over 80 psi, Master orifice reading - 42 psi</li> <li>3 Drained oil and service engine with new Champion Filter P/N CH48109 and 7 qts of Phillips X/C 20W-50. Opened filter, checked - OK Oil sample taken.</li> <li>4 D: Engine FWD lower thru bolt has stripped threads ( oil leak ). C/A: R&amp;R with new P/N AN315-4</li> </ol> </div> <div style="width: 15%; text-align: center; font-weight: bold; font-size: 1.2em;">             100-100-100           </div> </div>				
<p><small>D-Discrepancy; C-Corrective Action; N-Complied with; IAW-In accordance with; AMM-Aircraft Maintenance Manual; P/N-Part (Serial) Number; R&amp;R-Repaired and Replaced</small></p> <p>This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service.</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div> <p>Chad R. Barnes 551157268 A&amp;P</p> </div> <div style="text-align: center;">  </div> <div style="text-align: center;"> <p>Ralf Schev. 496936136 IA</p>  </div> </div>				

**Exec Air LLC**  
Hilton Head Island Airport (HXD)  
71 Summit Drive  
Hilton Head, SC 29926  
(843) 681-4705  
cirrusnhd@gmail.com


  
CIRRUS  
SERVICE CENTER

Cirrus SR20  
S/N - 1614  
10/19/10

N790CD  
Hobbs: 589.0

1. 50 Hour Inspection IAW Cirrus Design AMM Chapter 5-20.

D-Discrepancy C-1-Corrective Action C/W-Complied with IAW-In accordance with AMM-Aircraft Maintenance Manual P(S)/N-Part (Serial) Number RRP-Removed and Replaced

This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service.  
Derek Edgerton 3165126 A&P. 

**Exec Air LLC**  
Hilton Head Island Airport (HXD)

71 Summit Drive  
Hilton Head, SC 29926  
(843) 681-4705  
info@ExecAirHH.com



Cirrus SR20  
S/N - 1614

**N790CD**

7/14/11 Hobbs: 622.8

1. 100Hour/Annual Inspection C/W FAR 43 appendix D and IAW Cirrus AMM Chapter 5-20
2. Differential pressure check 1) 74, 3) 72, 5) 75, 2) 78, 4) 74, 6) 75 all over 80 psi, Master orifice reading - 42 psi
3. Drained oil and service engine with new Champion Filter P/N CH48109 and 8 qts of Phillips X/C 20W-50. Opened filter, checked - OK. Oil sample taken.

0-Discrepancy C/A-Corrective Action C/W-Complied with IAW-in accordance with AMM-Aircraft Maintenance Manual P(S)/N-Part (Serial) Number RGR-Removed and Replaced

This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service.

Derek Edgerton 3165126 A&P.

A handwritten signature in black ink, appearing to read "Derek Edgerton".

00-100-0000

**Exec Air of HH**

Hilton Head Island Airport (HXD)  
Work Order/Invoice# Reference  
1097

71 Summit Drive  
Hilton Head, SC 29926  
(843) 681-4705  
office@execairofhh.com



Cirrus SR20

S/N - 1614

**N790CD**

10/15/12 Hobbs: 5746.2

**ENGINE LOG**

1. D: Starter adapter not engaging. Removed and send starter P/N 646220A2 and adapter for overhaul to FAA PMA No PQ0852SW. Work Order # 69118. MT Initial TH (IH)
2. D: R&R starter with new Skyteck P/N C24St5 s/n 4C5-431230. MT Initial TH (TH)

D-Discrepancy C-A-Corrective Action C/W-Complied with IAW-In accordance with AMM-Aircraft Maintenance Manual P(S)/N-Part (Serial) Number R&R-Removed and Replaced MT Maintenance technician

This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service.

Edward "Tre" Howe 171641872 AP  
Joan "John" Hendre 3437973 AP

Edward Howe (TH)  
Joan Hendre (IH)

**Exec Air LLC**

Hilton Head Island Airport (HXD)

71 Summit Drive  
Hilton Head, SC 29926  
(843) 681-4705  
cirrus\_hyd@gmail.com



Cirrus SR20

S/N - 1614

**N790CD**

2/24/12 Hobbs: 683.4

Drained oil and serviced engine with 8 qts of Phillips X/C 20W-50 installed new Champion Filter P/N CH48109. Opened filter, checked - OK. Oil sample taken.

D-Discrepancy C/A-Corrective Action C/W-Complied with IAW-In accordance with AMM-Aircraft Maintenance Manual P(S)/N-Part (Serial) Number R&R-Removed and Replaced

This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service.

Derek Edgerton 3165126 A&P

Derek Edgerton

**Exec Air LLC**

Hilton Head Island Airport (HXD)

71 Summit Drive  
Hilton Head, SC 29926  
(843) 681-4705  
info@ExecAirHH.com



Cirrus SR20

S/N - 1614

**N790CD**

8/1/2012 Hobbs: 729.6

1. 100Hour/Annual Inspection C/W FAR 43 appendix D and IAW Cirrus AMM Chapter 5-20
2. Differential pressure check 1) 74, 3) 70, 5) 70, 2) 75, 4) 73, 6) 71 all over 80 psi. Master orifice reading - 42 psi
3. Drained oil and service engine with new Champion Filter P/N CH48109 and 8 qts of Phillips X/C 20W-50. Opened filter, checked - OK. Oil sample taken.
4. D: #5 exhaust cracked. C/A: R&R #5 exhaust header. Leak check good.
5. D: Fuel injectors due cleaning. C/A: Removed fuel injectors, cleaned, and reinstalled. Leak and ops check good.

D-Discrepancy C-A-Corrective Action C/W-Complied with IAW-In accordance with AMM-Aircraft Maintenance Manual P(S)/N-Part (Serial) Number R&R-Removed and Replaced

This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service.

Scott

Hrs. Min. Hrs. Min.

Installations, Inspections, Airworthiness Directives, Special Inspections,  
Modifications and Service Bulletins

Brought Forward

ExecAir of HHI

Hilton Head Airport HXD  
Reference: Invoice #1205



71 Summit Drive  
Hilton Head Island, SC 29926  
843.681.4705

DATE	AIRCRAFT REG #	MANUFACTURE	MODEL #	SERIAL #	HOBBS TIME	FLIGHT/TACH TIME
4/19/13	N790CD	Cirrus	SR20	1614	784.0	n/a
						ENGINE LOG

Drained oil and service engine with 8 qts of Phillips X/C 20W-50 installed new Champion Filter P/N CH48109-1. Opened filter, checked - OK. Oil sample taken.

D- Discrepancy; C/A- Corrective Action; C/W-Complied With; IAW-In Accordance With; AMM-Aircraft Maintenance Manual; P/S/N- Part/Serial Number; R&R-Remove and Replaced; MT- Maintenance Technician

This aircraft was serviced/repaired/inspected in accordance with current requirements of the FAA and is approved for return to service.

Paul Craig, Jr. A&P #3598146

ExecAir of HHI

Hilton Head Airport HXD  
Reference: Invoice # 1138



71 Summit Drive  
Hilton Head Island, SC 29926  
843.681.4705

DATE	AIRCRAFT REG #	MANUFACTURE	MODEL #	SERIAL #	HOBBS TIME	TT
3/26/13	N790CD	TCM	IO-360-ES6	360120	813.5	813.5
						ENGINE LOG

C/W Annual Inspection using Cirrus SR22 M/M inspection guide.  
COMPRESSIONS 80/80: #1/71, #2/71, #3/67, #4/70, #5/66, #6/66.  
Drained oil and took sample. Removed and inspected oil filter. Installed new CH48109-1 oil filter and serviced engine with 8 qts Phillips 20W50X/C oil. Installed new push rod tube seals p/n SA641607, SA630286 on #1 and #5 cylinders. Installed new rocker cover gaskets on 1 & 5 also. Installed new seal p/n SA633958-3 on #1 cylinder fuel primer line. Washed and ground ran engine. Operational checks normal with no leaks noted.

This aircraft was serviced/repaired/inspected in accordance with current requirements of the FAA and is approved for return to service.

Joan Hendre A&P 3437973

Edward "Tre" Howe A&P 171641872

Paul W Craig Jr A&P 3598146

I certify that this engine has been inspected in accordance with a 100 hr Inspection and was determined to be in an airworthy condition.

Paul W Craig Jr A&P/IA 3598146

# ExecAir of HHI

Hilton Head Airport HXD  
Reference: Invoice #1404



71 Summit Drive  
Hilton Head Island, SC 29926  
843.681.4705

DATE	AIRCRAFT REG #	MANUFACTURE	MODEL #	SERIAL #	HOBBS TIME	FLIGHT/TACH TIME
12/31/13	N790CD	Cirrus	SR20	1614	861.9	n/a
						ENGINE LOG

1. Drained oil and service engine with 8 qts of Phillips X/C 20W-50 installed new Champion Filter P/N CH48109. Opened filter, checked - OK.

D- Discrepancy; C/A- Corrective Action; C/W-Complied With; IAW-In Accordance With; AMM-Aircraft Maintenance Manual; P/S/N- Part/Serial Number; R&R-Remove and Replaced; MT- Maintenance Technician

This aircraft was serviced/repaired/inspected in accordance with current requirements of the FAA and is approved for return to service.

Paul Craig, Jr. A&P 3598146

Edward Tre Howe A&P # 171841872

## FIDELIS AVIATION

Hilton head airport HXD  
Reference: invoice #1291  
Maintenance record (Engine)

71 Summit Drive  
Hilton Head Island, SC 29926  
843-681-4705

DATE	A/C REG #	MANUFACTURE	MODEL #	SERIAL #	TTA	TTSN	SMOH	HOBBS	TACH
11/01/14	N790CD	Continental	IO360ES6	360120	910.0	910.0	-----	910.0	-----

Completed annual inspection with reference to Cirrus Airplane Maintenance Manual 5-20.  
Changed oil and filter. Serviced with 8 quarts Phillips X/C 20W-50 and filter p/n CH48109-1.  
Compressions: 1-73, 3-69, 5-68, 2-70, 4-68, 6-68 over 80.  
Removed, cleaned, gapped, tested and re-installed spark plugs.  
Adjusted magneto-to-engine timing on left magneto.  
Installed new induction air filter p/n: BA24.  
Installed new EGT probe in #2 exhaust riser.  
AD2008-11-18 complied with by muffler pressure check. No discrepancies noted.  
AD's researched through bi-weekly 2014-21. No new AD's noted.  
Operational checks normal. No leaks noted.

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Warren Kelly A&P 3559664

Signature


*Warren Kelly* IA

Hrs.		Min.		Hrs.		Min.		Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
engine								

Date: 2 March 2016	Aircraft # N790CD	Serial # 360120
Tach: 956.2	Total Time: 956.2	SMOH:

Comments:

100 hour inspection completed in accordance with Far43 appendix d. Replaced BA-24 air filter. AD 08-11-18 complied with no leaks at this time. AD 97-27-17 crankshaft overhauled entry May 2009. For compliance see listing in records dated Mar 2016. Compression check #1= 78 #2=80 #3=78 #4=80 #5=78 #6=80 changed oil and filter refilled with 8qts 20w50 XCPhillips Replaced quick Drain previously installed as it interfered with sump pickup when attempting to operate. Installed standard Continental Sump plug for this engine. Installed new CH48109-1 filter. Checked element of old filter no metal at this time Ran engine for leak and function check, (good) I certify this Engine has been inspected in accordance with 100 hour inspection and was found to be airworthy. Dennis Argetsinger A&P3476651

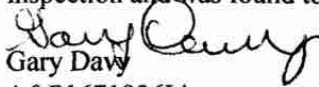


Date: 3-2-2016  
Engine: IO-360-ES  
TAC: 956.2

Engine  
N790CD S/N: 1614  
S/N: 360120 TSN: 956.2  
ACFT.T.T: 956.2

Annual/100hr inspection C/W this date REF: Far 43 Appendix D. Scope and Detail Inspection and TCM Maint. Manual. Checked all AD's to date. See attached report. See 100hr inspection report work completed dates 3-2-2016.

I certify that this engine has been inspected IAW annual/100hr inspection and was found to be in airworthy condition.

  
Gary Davy  
A&P1671936IA



28 July 2016	1004.7				Change Engine Oil Refilled with 20W50 Phillips XC 8qts Installed NEW CH48109-1 Filter. Checked old Element No metal at this time. Ran engine for Leak Check. No Leaks noted. Return to Service for work performed. Dennis Argetsinger A# 3476651 — END —
3 Sept 2016	1018.0				Replaced Tach Generator P/N 12323-001 Serial NO# 2550 O/C check engine Run RPM checks Good Dennis Argetsinger A# 3476651

Date 2016	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
22 Nov 2016	1053	7			Drained oil and removed oil filter. serviced engine with 8 quarts of Phillips 66 2W-50 engine oil. Installed new Tempost oil filter part number AA48109 <sup>new</sup> oil. torqued and sealed with tape wire. Ran engine for leak check, none noted. Aircraft is approved for return to service for work performed. - end. Michael K. Tamm A&P 3151795 <i>[Signature]</i>

Date: 6 March 2017	Aircraft # N790CD	Serial # 1614/360120 ENGINE
Tach: 1,079.2	Total Time: 1,079.0	SMOH:

Comments:

Compression check 1#=64 2#=66 3#=66 4#=62 5#=62 6#=68. Drained engine oil replenished with 8qts 15W50 Aeroshell installed new filter AA48109 checked old filter element no defects noted at this time. Checked mag timing 24 degrees BTDC. Cleaned fuel injectors inspected injector lines. Cleaned, Gapped and rotated Plugs in firing order. AD's checked to Date. I certify this engine has been inspected IAW an ANNUAL inspection within the scope and detail of FAR43 appendix D and TCM Maint. Manual and was found to be in an airworthy condition. Dennis Argetsinger A&P3476651IA

*[Signature]*

4 Apr 2017	1123	2			Changed Oil and Filter Replenished with 8 qts 15W50 Aeroshell filter 48109 Return to service for work performed Dennis Argetsinger A&P 3476651IA
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Date 2016	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
22 Nov 2016	1053	7			Drained oil and removed oil filter. Serviced engine with 8 quarts of Phillips X 20W-50 engine oil. Installed new Tempast oil filter part number AA48109 <sup>new</sup> <del>old</del> . torqued and secured with torque wrench. Ran engine for leak check, none noted. Aircraft is approved for return to service for work performed. - end. Michael R. Tatum A&P 3151785

Date: 6 March 2017	Aircraft # N790CD	Serial # 1614/360120 engine
Tach: 1,079.2	Total Time: 1,079.0	SMOH:

Comments:

Compression check 1#=64 2#=66 3#=66 4#=62 5#=62 6#=68. Drained engine oil replenished with 8qts 15W50 Aeroshell installed new filter AA48109 checked old filter element no defects noted at this time. Checked mag timing 24 degrees BTDC. Cleaned fuel injectors inspected injector lines. Cleaned, Gapped and rotated Plugs in firing order. AD's checked to Date. I certify this engine has been inspected IAW an ANNUAL inspection within the scope and detail of FAR43 appendix D and TCM Maint. Manual and was found to be in an airworthy condition. Dennis Argetsinger A&P3476651IA

4 April 2017	1123	2			Changed Oil and Filter Replenished with 8qts 15W50 Aeroshell filter 48109 Return to service for work performed Dennis Argetsinger A&P3476651IA
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Engine Log

PHILLIPSBURG Airport

DATE: JULY 28/2017

Make/Model: Cirrus SR22 REG: N790CD  
 Engine Make/Model: CONTINENTAL/IO-360-ES  
 Hobbs- 1144.1

S/N: 1614  
 Engine S/N: 360120  
 Engine TT: 1144.1

Performed Prebuy Inspection. Washed down engine and cowling.  
 Drained and replenished Engine oil with 8 quarts Phillips XC 20W-50.  
 Collected oil sample for analysis. Removed and inspected oil filter. No abnormalities noted  
 Installed new oil filter P/N AA48108-02. Removed and replaced Left muffler  
 P/N A14836-001. Removed and replaced all fuel drainback tube seals, P/N SA632248  
 Installed new ALT 2 cooling duct clamp and bracket. Adjusted prop governor to increase Prop RPM  
 Stop drilled several cracks in engine baffle.

I certify all work described above has been performed IAW  
 Cirrus SR22 AMM and current FAA regulations.

Brad Helman 3939968 AP

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

James Milardo

Aviation Maintenance Consulting

N521BA

10/17/17

Cirrus SR20

Hobbs: 1173.8 hrs.

S/N 1614

- 1) Aircraft registration number changed per FAA regulations from N790CD to N521BA on this date

This aircraft has been returned to service by:

James P. Milardo

*James P. Milardo*

AP2720401IA



**EAST COAST AERO CLUB INC.**  
200 Hanscom Drive Suite 111  
Bedford, Massachusetts 01730

4/10/2018 N521BA Flt Hobbs: 1181.4 TSN: 1181.4 SR20 1614

Complied with an Annual inspection in accordance with CMI ICA and Cirrus SR20 maintenance manual inspection guide Ch 5-20, and FAR part 43 appendix D. Reviewed AD's thru bi-weekly 2018-07, see listing for compliance. Performed compression test: Cyl#1) 68/80, Cyl#2) 70/80, Cyl#3) 66/80, Cyl#4) 69/80, Cyl#5) 67/80, Cyl#6) 70/80. Master Orifice 44/80. Changed engine oil and filter. Installed oil sump drain plug with a new gasket, torqued and safety. Serviced engine with 8 quarts of Phillips 20W-50XC engine oil and installed a new AA48108-2 oil filter, Torqued, and safety. Oil filter was cut open; the element was checked for contaminants. Cleaned, gapped and installed sparkplugs with new gaskets then torqued to spec's. Installed new magneto gaskets and timed both magnetos to 24° BTC. Installed new rocker box cover gaskets for cyl#1, 5 exhaust valves and cyl#2 intake valve. Performed a 500hr magneto inspection on the left mag. Installed new contacts and internally timed the mag. Installed left magneto with a new gasket on the engine and timed the mag to eng specs. Performed a 500hr magneto inspection on the right mag. Installed a new coil, capacitor, contacts and a new block and gear assembly, from kit #MK601, ot#72-18259 dated 12/20/17. Internally timed magneto. Installed right magneto with a new gasket on the engine and timed the mag to eng specs. All work was accomplished in accordance with Cirrus SR20 maintenance manual and CMI overhaul manual. Ran engine, all operations normal and no oil leaks noted. I certify that this Engine has been inspected in accordance with an Annual Inspection and has been determined to be in airworthy condition.

*William Young*  
William Young AP 3680514 IA

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
					CONTINUE USE OF PHILLIPS AVIATION OIL 20W50 PER OWNERS REQUEST. REPAIRED MAG/SPARK PLUG TERMINAL @ Cyl # 3 FOUND TERMINALS OVER -TORQUED. INSPECTED ALL ENGINE CONTROLS CLEANED & TESTED ALL SPARK PLUGS, AND RETURNED TO SERVICE. DRESSED & LUBED PROPELLER.
June. 2, 2019 Cirrus SR20 Continental IO-360-ES S/N 360120 Hobbs Time 1201.4 Total Time In Service 1201.4 Performed an Annual Inspection I/AW AC. 43:13 D Serviced Engine with 80TS 20W50 Oil Compressions: Cyl # 1 70/80- Cyl # 2 71 /80 Cyl # 3 68 /80- Cyl # 4 70 /80- Cyl # 5 66 /80 and Cyl # 6 72 /80. Checked engine/Magnetos timing 24 degrees b/c Serviced and dressed propeller. Ran tested engine, and released back to service. All present, and pertinent ADs up to date have been complied with. An AD. Report has been attached to this aircraft's Permanent maintenance records.  I certify that this ENGINE was inspected i/a/w an annual inspection, and determined to be in an Airworthy condition at this time.					ALL PRESENT AND PERTINENT ADs HAVE BEEN COMPLIED WITH AT THIS TIME.  RE ROUTED AIR-OIL SEPARATOR RETURN HOSE DUE TO LEAKS.  CHECKED SERVICE BULLETINS PER CONTINENTAL INSTRUCTIONS.
					END

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

## Cirrus SR-20

N521 BA

Power plant: Continental IO-360-ES

7-1-2020

Hobbs Time 1224.5 TSMO. 5/N

Performed an ANNUAL Inspection I/A/W

AC 43:13-1B

All Pertinent and present ADs or Service Bulletins have been complied with at this time, and there were no new ADs or Service Bulletins developed for this time period.

Tested all engine controls and components.

Tested engine accessories.

Mag. Timing proved to be 24 degrees BTC.

Cylinder compressions at this time were:

Cyl. # 1 71 /80-Cyl. # 2 73 /80

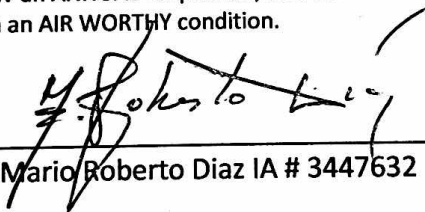
Cyl. # 3 72 /80-Cyl. # 4 68 /80

Cyl. # 4 — /80-Cyl. # 5 70 /80

Cyl. # 6 74 /80

Replaced 8 Qts. Phillips 20W50XC Oil and CH 48109-1 filter

I certify that this Power Plant has been inspected I/A/W an ANNUAL inspection, and determined to be in an AIR WORTHY condition.

  
Mario Roberto Diaz IA # 3447632

Date

Total Time

Time Since  
Last Overhaul**Engine Service and Maintenance Record**

s Directives, Special Inspections,

Brought Forward

**Cirrus SR-20**

N521 BA

Power plant: Continental IO-360-ES

8-1-2021

Hobbs Time 1237.5 TSMO. 1237.5 S/N

Performed an ANNUAL Inspection I/A/W

AC 43:13-1B

All Pertinent and present ADs or Service Bulletins have been complied with at this time, and there were no new ADs or Service Bulletins developed for this time period.

Tested all engine controls and components.

Tested engine accessories.

Mag. Timing proved to be 24 degrees BTC.

Cylinder compressions at this time were:

Cyl. # 1 70 /80 -Cyl. # 2 71 /80Cyl. # 3 71 /80 -Cyl. # 4 69 /80Cyl. # 5 72 /80 -Cyl. # 6 73 /80

Replaced 8 Qts. Phillips 20W50XC Oil and CH 48109-1 filter

I certify that this Power Plant has been inspected I/A/W an ANNUAL inspection, and determined to be in an AIR WORTHY condition.

  
Mario Roberto Diaz IA # 3447632