

ANOTHER QUALITY OVERHAUL

BY

  
CERTIFIED  
ENGINES  
UNLIMITED, INC.

OF  
MIAMI, FLORIDA



*The Standard*

# ENGINE LOG

ASA-SE-2

**Manufacturer:** Textron Lycoming

**Model** IO-540 C4D5D

**Serial:** L-22754-48A

**Type Certificate:** 1E4 REV 23

**This engine is currently installed  
in aircraft:** TB-20 Trinidad N88AV

**Minimum Octane Fuel:** 91/96 or  
100/130

**Oil Grade** *Summer:* 50W  
*Winter:* 40W

**Magneto Time:** 25° BTC

**Spark Plug Gap:** .016 - .021

**Firing Order:** 1-4-5-2-3-6

**Manufacturer's Recommended  
TBO at 2000 hours**

**Comments:**

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This Document Is To Serve As Certification of  
Major Overhaul and Block Test Run by  
Certified Engines Unlimited, Inc.

MFG. TEXTRON LYCOMING

MODEL 10-540 CYD5D SERIAL # L-22254-48A

TOTAL TIME 1973.1 HRS. AD. NOTES: C/W SEE REAR OF LOG

PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT THIS AGENCY UNDER

INV/WO # 52262/38639 DATE 11/30/12

  
SIGNATURE OF AUTHORIZED INDIVIDUAL

FOR CERTIFIED ENGINES UNLIMITED, INC.

4000 N.W. 145th Street, Airport, Opa-Locka, Florida 33054

Phone: (305) 685-8331 Fax: (305) 681-8027

EASA145 APPROVED

FAA CRS# KG4R309M

**CERTIFIED  
ENGINES  
UNLIMITED, INC.**

4000 N.W. 145 St. - Airport  
Opa-Locka, Fla. 33054  
Phone: (305) 685-8331  
Fax (305) 681-8027

FAA Approved Repair Station No. KG4R309M

Part Name ENGINE

Part No. 10-540 CYD5D L-22254-48A

Invoice/Work Order# 52262/38639

Remarks '0' SINCE MAJOR OVERHAUL

\* TEST RUN

Date 11/30/12 Inspector Mark H

**SERVICEABLE**

YEAR  
20  
DATE

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f  
s.)

# CERTIFIED ENGINES UNLIMITED, INC.

FAA CRS# KG4R309M

4000 N.W. 145th Street, Airport, Opa-Locka, Florida 33054  
Phone: (305) 685-8331

## LIMITED OVERHAUL WARRANTY

1. **Subject Matter and Scope of Warranty.** Certified Engines Unlimited, Inc. (hereafter referred to as "CEU") warrants each overhauled engine to be free from defects in material workmanship. This Warranty is expressly subject to the terms and conditions set forth below and shall not apply outside the operational periods listed or to any engine which has been subject to misuse, neglect, accident or damage from the elements or which has been installed, repaired, maintained or altered in any manner which in the judgment of CEU has had an adverse effect on the performance or reliability of engine or part.

2. **Time Limits.** This Warranty for parts and labor, extends for a period of nine (9) months from the date of service or two hundred (200) hours, whichever occurs first. An additional prorated warranty extends, parts only, to six hundred (600) hours on direct engines, and four hundred (400) hours on geared engines. Certified Engines Unlimited considers the frequent use and operation of an engine to be an integral factor in extending engine life. For this reason, CEU considers warranty hours based upon a minimum usage of 30 hours a month, regardless of actual operation hours.

3. **Express Conditions.** As a term and condition of this Warranty, the customer is required to follow factory recommended service procedures and maintenance guidelines.

4. Proper maintenance logbooks are to be kept by and maintained by the customer and shall be furnished to CEU on demand as a condition of the Warranty.

5. **Limitations and Exclusions.** All parts and labor are to be approved by CEU prior to commencement of work under this Warranty. CEU is responsible only for the cost of reasonable labor and materials necessary to repair or replace the parts CEU determines to be defective in material or workmanship at CEU's place of business, located at Opa-Locka, Florida. Under no circumstances shall CEU be responsible for charges in the removal and reinstatement of defective parts or engines.

6. **THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESS OR IMPLIED, OR STATUTORY, WHETHER WRITTEN OR ORAL, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS AND FOR ANY PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTY ARISING FROM ANY COURSE OF PERFORMANCE OR DEALING OR TRADE USAGE. THIS WARRANTY IS ALSO IN LIEU OF ANY OTHER OBLIGATION, LIABILITY, RIGHT OF CLAIM, WHETHER IN CONTRACT OR IN TORT, INCLUDING ANY RIGHT IN STRICT LIABILITY IN TORT OR ANY RIGHT ARISING FROM NEGLIGENCE ON THE PART OF CEU, AND CEU'S LIABILITY ON SUCH CLAIM SHALL IN NO CASE EXCEED THE PRICE ALLOCABLE TO THE ENGINE OR PART WHICH GIVES RISE TO THE CLAIM.**

7. **LIMITATION ON LIABILITY.** IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF WARRANTY, CONTRACT OR ALLEGED NEGLIGENCE, SHALL CEU BE LIABLE FOR SPECIAL OR CONSEQUENTIAL OR ANY OTHER DAMAGE, INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUES, LOSS OR USE OF THE ENGINE OR AIRCRAFT OR COST OF REPLACEMENT, PERSONAL INJURY OR FATALITIES, OR FLIGHT DELAYS OR CANCELLATIONS.

8. **CRACKED CYLINDERS AND CRANK CASES ARE EXCLUDED FROM ALL WARRANTIES UNLESS IT CAN BE DETERMINED THAT THE DAMAGE IS A DIRECT AND PROXIMATE RESULT OF IMPROPER WORKMANSHIP BY CEU. ACCESSORY ITEMS ARE TO BE WARRANTED BY VENDOR OF SUCH ITEMS.**



## MAINTENANCE RELEASE

The aircraft engine and/or component identified was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service.

## **CAUTION!**

This engine has been run according to factory recommended procedures. Avoid prolonged ground run or slow flight as this causes new engine damage and will void warranty.

**For proper warranty coverage consult Certified Engines before any repairs or adjustments are made on the engine.**

## **CAUTION!**

**Warranty will be voided if all oil fed accessories are not cleaned, tagged and recorded in logbook at time of engine overhaul. eg. prop, prop governor, oil cooler, oil tank, & all fuel & oil lines.**

**Pertinent details of the repair are on file at this agency under:**

INV/WO# 57762/37638 Date 11/30/12

Signed

(Signature of authorized individual)

For: Certified Engines Unlimited

YEAR  
20  
DATE

RECORDING  
TACH  
TIME

TODAY'S  
FLIGHT

TOTAL  
TIME IN  
SERVICE

### Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of the Technician or Repair Facility. (See back pages for other specific entries.)

This Lycoming engine, model IO-540 C4D5D, s/n L-22754-48A, was Major Overhauled by Certified Engines Unlimited Inc, of Opa Locka, Florida according to factory recommended procedures, specifications, limits & pertinent Federal Aviation Regulations.

All internal steel parts were magna-fluxed by Palm Beach Aircraft Propeller, Inc. CRS#LU4R349M & all non-ferrous materials checked for cracks. All guidelines from the Lycoming Table of Limits SSP#1776 & Overhaul Manual #60294-7-13 were followed at time of overhaul.

Installed 3000 series Magneto, OHC by Executive Accessories, CRS #RL4R496M, with new capacitors. Installed Fuel Servo, Flow Divider & 6 nozzles, OHC by Avstar Fuel Systems, CRS #V1RR580Y. Installed Alternator, OHC by Aerotech of Louisville, CRS #PU4R453M. Installed Starter, OHC by T&W Electrical, CRS #TVER117K. Installed Fuel Pump, OHC by Aero Accessories, CRS#YV4R688M. All tags received from the accessory suppliers are located at the rear of this logbook.

Installed Camshaft, Reground/OHC by EC Services, CRS #AG2R689K. The Crankshaft s/n V9731, is n/a per AD #2005-19-11 & 2006-20-09 by s/n. Six Factory NEW Cylinder Assemblies, a new Ignition Harness, & Spark Plugs were installed at time of this overhaul.

Certified Engines Unlimited Inc. \*\* Opa Locka Airport, Florida USA \*\* FAA CRS#KG4R309M  
Inv/WO#57762/39639 \*\*\* 30 November 2012

Authorized Signature

Frank Noves, Jr.

YEAR  
20 \_\_\_\_  
DATE

RECORDING  
TACH  
TIME

TODAY'S  
FLIGHT

TOTAL  
TIME IN  
SERVICE

### Description of Inspections, Tests, Repairs and Alterations

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Technician or Repair Facility. (See back pages for other specific entries.)

All recommended parts listed in the Lycoming Overhaul Manual #60294-7-13 &  
Service Bulletin #240W were installed at time of this overhaul....(see list  
below): \*FAA-PMA Parts are frequently substituted for Textron Lycoming factory parts.

1	SL13377	GASKET SET	1	05K23463	IMPELLER KIT
12	RHM40E	SPARK PLUG	3	SL31H-0.88	BOLT
1	CH48110-1	OIL FILTER	1	AN8-14A	CRANKSHAFT BOLT
2	18A26093	FRONT MAIN BEARING	1	LW-10344	OIL PUMP BODY
6	AEL16711	BEARING, CRANKSHAFT	6	AEL14077-1	PIN ASSEMBLY, PISTON
12	AEL13521	BEARING, CONNECTING ROD	6	SL-STD-1821	DRAIN HOSE
12	SL72877	LIFTER	1	61544	PLUNGER
1	SL-STD-1211	EXPANSION PLUG	1	06B23072	OIL FILTER GASKET
4	SL73810	C/SHAFT BLADE BUSHING	12	AEL75061	BOLT, CONNECTING ROD
1	SL76155	TACH SHAFT ASSY	12	AEL12186	NUT, CONNECTING ROD
2	SL13641	MAGNETO CUSHION	1	LW-10284M	C/S GEAR, MODIF.
1	1028-B	BALL	1	AN565B1032H5	SET SCREW
1	SL61084	OIL PRESSURE RELIEF SPRING	1	SL53E19600	VERNATHERM, VALVE
1	STD-2231	RING-INTERNAL RETAINING	1	M2919	DUAL HARNESS
6	AEL13790	SHAFT, ROCKER, PARALLEL	13	MS21333-65	CLAMP
12	AEL12892	THRUST BUTTON, ROCKER SHAFT	12	MS21333-75	CLAMP
12	SL78290	HYDRAULIC UNIT	1	LW-15473R	FUEL PUMP, OHC
12	SL74637	ROCKER ARM BUSHING	1	MS9144-01	PROP GOVERNOR GASKET
6	05K21104	CYLINDER KITS, FACT NEW	1	STD-1737	RING
			12	AE9887-5	EXHAUST NUT
			6	SL13923A	CONN ROD BUSHING
			8	AEL14820	RING, INTERNAL RETAINING
			2	AEL72797	PIN, COUNTERWEIGHT
			2	AEL72965	PIN, COUNTERWEIGHT
			8	AEL71907	COUNTERWEIGHT RET PLATE

Certified Engines Unlimited Inc. \*\* Opa Locka Airport, Florida USA \*\* FAA CRS#KG4R309M  
Inv/WO#57762/39639 \*\*\* 30 November 2012

Authorized Signature

Frank Neves, Jr.

YEAR  
20  
DATE

RECORDING  
TACH  
TIME

TODAY'S  
FLIGHT

TOTAL  
TIME IN

### Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of  
cility. (See back pages for other specific entries.)

**Wayne's Aircraft Maintenance**  
14300 SW 129<sup>th</sup> Street Hanger M7  
Miami, FL 33186  
305-238-0774

Date: 12/09/2012 Tach: 0599.1 N88AV

Removed Engine To Be Overhauled By Certified Engines,  
Reinstalled Engine, Replaced Engine Mounts, Bolt, Nut, & Oil  
Cooler, Installed Overhauled Starter & Alternator, Ran Wire For  
JPI, Ran All Cables, Adjusted Cables, Ran Up, Set Idle, and  
Checked Leaks On Engine. Ok For Return To Service.

R. Wayne Cappe  
267153094 A&P

**Wayne's Aircraft Maintenance**  
14300 SW 129<sup>th</sup> Street Hanger M7  
Miami, FL 33186  
305-238-0774

Date: 12/20/2012 Tach: 0600.6 Hobbs: 1569.3 N88AV

Starter Bolt Hole Crack Removed & Replaced. Ok For  
Return To Service.

R. Wayne Cappe  
267153094 A&P

**Wayne's Aircraft Maintenance**  
14300 SW 129<sup>th</sup> Street Hanger M7  
Miami, FL 33186  
305-238-0774

Lycoming I0540C4D5D S/N L-22754-4BA N88AV  
Date: 11/15/2013 Tach: 0622.9 TTE: 2186.8 SMOH: 36.5

Performed compression checks with the following results: Compression is 1) 72/80, 2) 70/80, 3) 74/80, 4) 70/80 5) 61/80 6) 60/80, Removed Exhaust Stack For #3, #4, #5 and #6 Cylinders, Exhaust Stack Overhauled, Reinstalled With 2 New Clamps, Replaced Cooling Hose For Fuel Pump, Replaced Air Filter, Cleaned & Gapped Spark Plugs, Cut Open Oil Filter, No Metal Found, Tightened Oil Return Line, Ran Up, Checked For Leaks, and None Found. I certify that this engine has been inspected in accordance with F.A.R. part 43 appendix (d) (scope and detail of Items) Annual Inspection and was determined to be in airworthy condition.

*Barry Bostwick*

Ray J. Rodgers  
A&P 425987044 IA

## **Inspections, Tests, Repairs and Alterations**

Dorsed with Name, Rating and Certificate Number of  
ir Facility. (See back pages for other specific entries.)

**Description of Inspections Tests Repairs and All Work**

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Te

**Wayne's Aircraft Maintenance**  
14300 SW 129<sup>th</sup> Street Hanger M7  
Miami, FL 33186  
305-238-0774

Date: 06/24/2014 Tach: 0651.5 N88AV

Removed and Replaced Vacuum Pump, With New Unit S/N  
A54854, Run-Up and Checked, OK For Return To Service.

R. Wayne Cappe  
267153094 A&P

## Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of

Te

Wayne's Aircraft Maintenance  
14300 SW 129<sup>th</sup> Street Hanger M7  
Miami, FL 33186  
305-238-0774

Date: 06/24/2014 Tach: 0651.5 N88AV

Removed and Replaced Vacuum Pump, With New Unit S/N  
A54854, Run-Up and Checked, Ok For Return To Service.

R. Wayne Cappe  
267153094 A&P

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p><b>Wayne's Aircraft Maintenance</b>  <b>14300 SW 129<sup>th</sup> Street Hanger M7</b>  <b>Miami, FL 33186</b>  <b>305-238-0774</b></p> <p>Date: 08/02/2014 Tach: 0655.3 N88AV</p> <p>Removed and Replaced Gear Pump, With Overhauled Unit P/N  HYC5112 S/N 1141, Serviced, Tested, Run-Up and Checked For  Leaks, None Found, Ok For Return To Service.</p> <p>R. Wayne Cappe  3762555 A&amp;P</p>

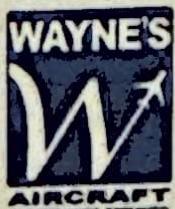
**Wayne's Aircraft Maintenance**  
14300 SW 129<sup>th</sup> Street Hanger M7  
Miami, FL 33186  
305-238-0774

Date: 11/26/2014 Tach: 0659.7 Hobbs: 1569.9 N88AV

Completed Oil Change, Serviced With 10 Qtrs. Of Aeroshell W100 Oil, Replaced Oil Filter With New CH48103-1, Run Up, Checked For Leaks and None Found. Ok For Return To Service.

R. Wayne Cappa  
3762555 A&P

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
20 DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)



Wayne's Aircraft Maintenance  
14300 SW 129<sup>th</sup> Street Hanger M7  
Miami, FL 33186  
305-238-0774

Lycoming IO540C4D5D S/N L-22754-4BA N88AV  
Date: 04/21/15 Tach: 670.1 TTE: 2234 SMOH: 83.7

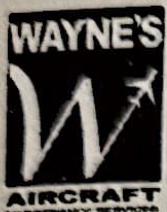
Performed Annual Inspection I.A.W. FAR 43 App 'D'. Checked A.D.'s.  
Performed Compression Test With The Following Results: 1) 70/80  
2) 74/80 3) 70/80 4) 70/80. Cut open oil filter no metal found, Cleaned and  
gapped. I certify that this engine was inspected I.A.W. Annual Inspection  
and was determined to be in airworthy condition.

David Fuentes  
A&P 3506497 I.A

Description of Inspections, Tests, Repairs and Alterations  
Entries must be endorsed with Name, Rating and Certificate Number of  
Technician or Repair Facility. (See back pages for other specific entries)

Annual  
Sign off  
For 5/20/2016  
is in order log  
Engines  
Hobbs  
3)67555A4P

Wayne's Aircraft Maintenance  
14300 SW 129<sup>th</sup> Street Hanger M7  
Miami, FL 33186  
305-238-0774



Lycoming IO540C4D5D S/N L-22754-4BA N88AV  
Date: 6/14/2017 Tach: 766.0 TTE: 2329.9  
SMOH: 179.6

Performed Annual Inspection I.A.W. FAR 43 App 'D'. Checked A.D.'s, Performed Compression Test With The Following Results: 1) 76/80 2) 70/80 3) 66/80 4) 62/80 5) 65/80 6) 70/80. Cleaned and Gapped spark plugs, Cut open and inspect for metal, None found, Replace Cyl #2 exhaust riser. I certify that this engine was inspected I.A.W. Annual Inspection and was determined to be in airworthy condition.

David Fuentes  
A&P 3506497 I.A

## Inspections, Tests, Repairs and Alterations

Dorsed with Name, Rating and Certificate Number of  
ir Facility. (See back pages for other specific entries.)

Wayne's Aircraft Maintenance  
14300 SW 129<sup>th</sup> Street Hanger M7  
Miami, FL 33186  
305-238-0774



N88AV Model: Lycoming IO-540C4D5D S/N L-22754-48A  
Date: 8/5/2019 Tach: 890.4 TTE: 2454.3 SMOH: 304

Performed Compression Check With The Following Results: 1) 76/80 2) 70/80 3) 70/80 4) 70/80 5) 70/80 6) 65/80. Cleaned and Gapped Spark Plugs, Cut Open Oil Filter To Check For Metal, and None Found. Replace exhaust gasket on #2 & 3cylinder, Tighten rocker cover screws. I Certify That This Engine Has Been Inspected In Accordance With F.A.R. Part 43 Appendix (d) (scope and detail of items) Annual Inspection and Was Determined To Be In Airworthy Condition.

David Fuentes  
A&P 3506497 I.A

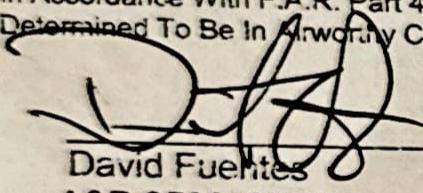


Wayne's Aircraft Maintenance  
14300 SW 129<sup>th</sup> Street  
Miami, FL 33186  
305-238-0774

N88AV Model: Lycoming IO-540C4D5D S/N L-22754-48A  
Date: 11/20/2020 Tach: 932.5 TTE: 2496.4 SMOH: 346.1

Performed Compression Check With The Following Results:

1) 70/80 2) 70/80 3) 65/89 4) 60/80 5) 68/80 6) 64/80, Cleaned and Gapped Spark Plugs, Cut Open Oil Filter To Check For Metal, and None Found. Replaced missing rocker cover screw, replaced #1 & #3 exhaust gasket, replaced #1 & #2 fuel injector lines. C/W AD 2015-19-07 fuel lines I/A/W SB 342G, Next due Tach: 1032.5. I Certify That This Engine Has Been Inspected In Accordance With F.A.R. Part 43 Appendix (d) Annual Inspection and Was Determined To Be In Airworthy Condition.

  
David Fuentes  
A&P 3506497 IA

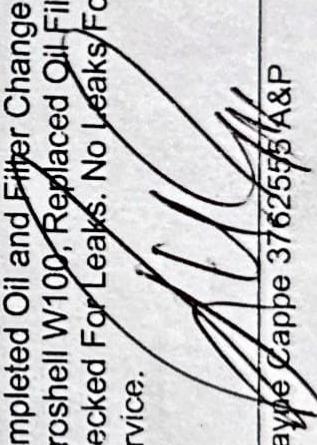
**Inspections, Tests, Repairs and Alterations**  
Authorized with Name, Rating and Certificate Number of  
Facility. (See back pages for other specific entries.)

Wayne's Aircraft Maintenance  
14300 SW 129<sup>th</sup> Street  
Miami, FL 33186  
305-238-0774



Date: 8/5/2021 Hobbs: 1569.9 N88AV

Completed Oil and Filter Change, Serviced With 8 Qtrs. Of Aeroshell W100, Replaced Oil Filter AA48103-2, Run-Up and Checked For Leaks. No Leaks Found Ok For Return To Service.

  
Wayne Fuentes A&P 376255

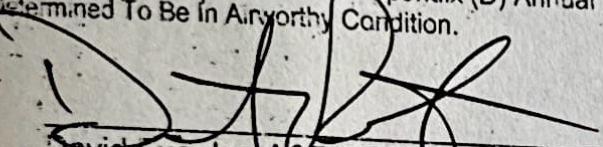


Wayne's Aircraft Maintenance  
14300 SW 129<sup>th</sup> Street  
Miami, FL 33186  
305-238-0774

N88AV Model: Lycoming IO-540C4D5D S/N L-22754-48A  
Date: 2/9/2022 Tach: 041.1 TTE: 2605.0 SMOH: 457.7

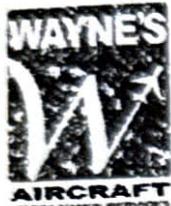
Performed Compression Check With The Following Results:

1) 72% 2) 60/80 3) 64/80 4) 64/80 5) 63/80 6) 60/80, Cleaned and Gapped  
Spark Plugs, Cut Open Oil Filter To Check For Metal, and None Found.  
Replaced #1 and #2 cylinder exhaust gasket, cleaned fuel line adel clamp  
and replaced 7 clamps. I Certify That This Engine Has Been Inspected In  
Accordance With F.A.R. Part 43 Appendix (D) Annual inspection and Was  
Determined To Be In Airworthy Condition.

  
David Fuentes A&P 3506497 IA

## Inspections, Tests, Repairs and Alterations

sed with Name, Rating and Certificate Number of  
Facility. (See back pages for other specific entries.)



Wayne's Aircraft Maintenance  
14300 SW 129<sup>th</sup> Street Hanger M7  
Miami, FL 33186  
305-238-0774

Lycoming I0540C4D5D S/N L-22754-4BA N88AV  
Date: 6/15/2018 Tach: 824.4 TTE: 2388.3  
SMOH: 238

Performed Annual Inspection I.A.W. FAR 43 App 'D'. Checked A.D.'s, Performed Compression Test With The Following Results: 1) 68/80 2) 70/80 3) 72/80 4) 64/80 5) 66/80 6) 64/80. Replace 12 spark plug, Cut open oil filter and inspect for metal, None found, Replace air filter, Tighten fuel clamp, #5 cylinder clean rust on cyl base I certify that this engine was inspected I.A.W. Annual Inspection and was determined to be in airworthy condition.

Aian Walewski  
A&P 3056984 I.A.

## **Inspections, Tests, Repairs and Alterations**

lorsed with Name, Rating and Certificate Number of  
ir Facility. (See back pages for other specific entries.)



**Wayne's Aircraft Maintenance**  
14300 SW 129<sup>th</sup> Street Hanger M7  
Miami, FL 33186  
305-238-0774

Date: 12/19/2018 Tach: 1569.6 N88AV

Completed Oil & Filter Change, Serviced With 12 Qts Of  
Phillips W100 Oil, Replaced Oil Filter CH48103-1, Run Up,  
Checked For Leaks, None Found. Ok For Return To  
Service.

*David Luisis*  
2602947 A&P

**Inspections, Tests, Repairs and Alterations**  
dorsed with Name, Rating and Certificate Number of  
ir Facility. (See back pages for other specific entries.)

**Wayne's Aircraft Maintenance**  
14300 SW 129<sup>th</sup> Street Hanger M7  
Miami, FL 33186  
305-238-0774



4/19/2022 Tach: 043.1 Flight Hobbs: 1569.9 N88AV

*Remove & replace battery with new G35. All work inspected.  
OK for return to service.*

*Wayne Cappe 3762555 A&P*

Inspections. Tests. Repairs and Alterations



Wayne's Aircraft Maintenance  
14300 SW 129<sup>th</sup> Street Hangar M7  
Miami, FL 33186  
305-238-0774

Date: 9/23/2022 Tach: 76.6 Flight Hobbs: 1569.9  
N88AV

Removed and reinstalled cylinder #3 IAW MM Lycoming; ran up, test for leaks, none found. All work inspected, OK for return to service.

Guillermo Hurtado  
Guillermo Hurtado 3841319 A&P



Wayne's Aircraft Maintenance  
14300 SW 129<sup>th</sup> Street  
Miami, FL 33186  
305-238-0774  
N88AV

Date: 10/19/2022 Flight Hobbs: 1569.9

Completed Oil and Filter Change, Serviced With 10 Qtrs. Of Phillips W100, Replaced Oil Filter AA48110-2, Ran-Up and Checked For Leaks. No Leaks Found. Ok For Return To Service.

Wayne Cappe  
Wayne Cappe 3762555 A&P

YEAR  
20  
DATE

Wayne's Aircraft Maintenance  
14300 SW 129<sup>th</sup> Street  
Miami, FL 33186  
305-238-0774  
N88AV



RECORDING  
TACH  
TIME

TODAY'S  
FLIGHT

TOTAL  
TIME IN  
SERVICE

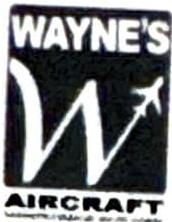
### Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Date: 1/25/2023 Tach: 100.6 Flight Hobbs: 1569.95

Completed Oil and Filter Change, Serviced With 9 Qtrs. Of Phillips 100AW, Replaced Oil Filter AA48103-2. Ran-Up and Checked For Leaks. No Leaks Found. Ok For Return To Service.

Wayne Capple 3762555 A&P



**Wayne's Aircraft Maintenance**  
14300 SW 129<sup>th</sup> Street  
Miami, FL 33186  
305-238-0774

## Inspections, Tests, Repairs and Alterations

Entered with Name, Rating and Certificate Number of  
Facility. (See back pages for other specific entries.)

**N88AV** Model: Lycoming IO-540C4D5D S/N L-22754-48A  
Date: 2/9/2022 Tach: 041.1 TTE: 2605.0 SMOH: 457.7

Performed compression check with the following results:

1) 72/80 2) 60/80 3) 64/80 4) 64/80 5) 63/80 6) 60/80, cleaned and gapped  
spark plugs, cut open oil filter to check for metal, and none found. Replaced  
#1- and #2-cylinder exhaust gasket, cleaned fuel line Adel clamp, and  
replaced 7 clamps. I certify that this engine has been inspected in  
accordance with F.A.R. part 43 appendix (d) annual inspection and was  
determined to be in airworthy condition.

David Fuentes A&P 3506497 IA



Wayne's Aircraft Maintenance  
14300 SW 129<sup>th</sup> Street  
Miami, FL 33186  
305-238-0774

N88AV Model: Lycoming IO-540C4D5D S/N L-22754-48A  
Date: 4/13/2023 Tach: 107.7 TTE: 26716 SMOH: 524.3

Ran engine for pre-inspection operational check. Open all engine cowlings and access door. Cleaned engine compartment.

Performed compression check with the following results:

1) 76/80 2) 76/80 3) 72/80 4) 70/80 5) 78/80 6) 70/80. Replaced all spark plugs, cut open oil filter to check for metal, and none found. Removed #5 cylinder assy and sent to "Certified Engines Unlimited Inc" for IRAN, Reinstalled after repair, Replaced #5 CYL EGT. Serviced engine with oil and replaced oil filter with new and safety wired.

I certify that this engine has been inspected in accordance with an Annual inspection as per F.A.R. part 43 appendix (d) and was determined to be in airworthy condition.

David Fuentes A&P 3506497 IA

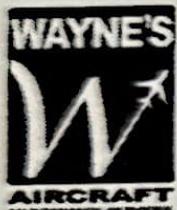


**Wayne's Aircraft Maintenance**  
14300 SW 129<sup>th</sup> Street Hangar M7  
Miami, FL 33186  
305-238-0774  
**N88AV**

6/5/2023 Tach: 122.1

Replaced starter with new unit, PN:149NL, SN: H-W090952 . All work inspected, OK for return to service.

Cory Cappe 3588224 A&P



**Wayne's Aircraft Maintenance**  
14300 SW 129<sup>th</sup> Street  
Miami, FL 33186  
305-238-0774  
**N88AV**

Model: Lycoming IO-540C4D5D S/N L-22754-48A  
Date: 7/5/2024 Tach: 0161.2 TTE: 2725.1 SMOH: 577.8

Ran engine for pre-inspection operational check. Open all engine cowlings and access door. Cleaned engine compartment. Performed compression check with the following results: 1) 64/80 2) 70/80 3) 78/80 4) 74/80 5) 70/80 6) 70/80. Replaced all spark plugs, cut open oil filter to check for metal, and none found. QAA completed mag 500 HR inspection, reinstalled and timed. Tightened and applied torque seal to cylinders 1,2,3,5,6. Replaced exhaust clamps on cylinder 1 and 2. Repaired alternator air hose connection and reinstalled baffle with new pop rivets. Applied red RTV to return line and baffle to stop it from chaffing. Removed fuel injectors to clean and reinstalled. I certify that this engine has been inspected in accordance with an Annual Inspection as per F.A.R. part 43 appendix (d) and was determined to be in airworthy condition.

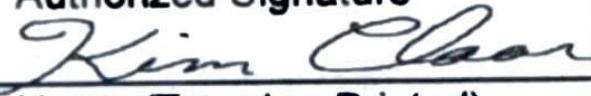
~~Wayne Cappe 3762555 A&P, IA~~

1. Approving National Aviation Authority / Country: FAA / UNITED STATES	2 AUTHORIZED RELEASE CERTIFICATE FAA FROM 8130-3, AIRWORTHINESS APPROVAL TAG				3 Form Tracking Number: AA 19863-0000
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4. Organization / Name and Address Aero Accessories, Inc. 1240 Springwood Avenue, Gibsonville, NC					5. Work Order / Contract / Invoice Number: 19863-0000
--	--	--	--	--	--

6. Item 1	7. Description Fuel Pump	8. Part Number LW15473	9. Eligibility N/A	10. Quantity 1	11. Serial / Batch Number 986304	12. Status / Work OVERHAUL
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13. Remarks OVERHAULED IAW ONE OF THE FOLLOWING FAA APPROVED PROCESSES: 203-6-1009, 203-6-1010, 203-6-1011, 203-6-1012 CERTIFIES THAT THE WORK SPECIFIED IN BLOCKS 12/13 WAS CARRIED OUT IAW FAR 145 AND IN RESPECT TO THAT WORK THE COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE FOR WORK PERFORMED UNDER EASA ACCEPTANCE CERTIFICATE NUMBER EASA 145.5682

	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return To Service <input checked="" type="checkbox"/> Other Regulation Specified in Block 13 Certificates that unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
	20. Authorized Signature 	21. Approval/Certificate No: YV4R688M
	22. Name (Typed or Printed) Kim Claar	23. Date (M / D / Y) 05/23/2012

#### User / Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part / component/ assembly. Where the user / installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in Block 1. It is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts / components/ assemblies from the Airworthiness Authority of the country specified in block 1. Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user / installer before the aircraft may be flown.

## FAA Airworthiness Directive Compliance Record

Report Produced By: Certified Engines  
Unlimited

		4000 NW 145th Street Opa-locka, FL 33054 +1 (305) 685-8331		Aircraft Registration:			
Content Revision: 11/21/2012		File ID: IO-540-C4D5D L-22754-48A		Amendment Number	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By
FAA AD Number	Description	Compiled Date Time	Method of Compliance/Applicability				Part #: IO-540-C4D5D Serial #: L-22754-48A
Manufacturer Textron Lycoming	Category Engine	Model IO-540-C4D5D					
63-14-03 7/6/1963	OIL PUMP DRIVE SHAFT	11/30/2012	PREV.. C/W NEW STYLE SHAFT	Recur	N/A		1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Recur	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
2000-18-53 E 9/5/2000	Superseded by 2002-12-07	11/30/2012	Superseded by AD 2002-12-07.	©ATP	Recur	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
2002-20-51 E 10/1/2002	Superseded by 2002-23-06	11/30/2012	Superseded by AD 2002-23-06.	©ATP	Recur	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Recur	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
93-02-05 6/14/1993	Superseded by 2002-26-01	11/30/2012	Superseded by AD 2002-26-01.	©ATP	Recur	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Recur	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
98-18-12 9/28/1998	Superseded by 2003-14-03	11/30/2012	Superseded by AD 2003-14-03.	©ATP	Recur	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
2002-23-06 11/19/2002	Superseded by 2004-05-24	11/30/2012	Superseded by AD 2004-05-24.	©ATP	Recur	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP		Printed 11/30/2012 9:54:29AM				Page 1 of 11	

	4000 NW 145th Street Opa-locka, FL 33054 +1 (305) 685-8331		Aircraft Registration.					
Content Revision: 11/21/2012		File ID: IO-540-C4D5D L-22754-48A		Compiled Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By
FAA AD Number Effective Date	Description	Model						Part #: IO-540-C4D5D Serial #: L-22754-48A
Manufacturer	Category	Model						
Textron Lycoming	Engine	IO-540-C4D5D						
91-14-22 8/19/1991	Superseded by 2004-10-14	11/30/2012	Superseded by AD 2004-10-14.	Recur	N/A			1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
GATP	GATP			GATP	Once	N/A		Signature
2005-26-10 1/31/2006	Superseded by 2006-12-07	11/30/2012	Superseded by AD 2006-12-07.	GATP	Once	N/A		1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
GATP	GATP			GATP	Once	N/A		Signature
2008-06-51 E 3/12/2008	Superseded by 2008-08-14	11/30/2012	Superseded by AD 2008-08-14.	GATP	Recur	N/A		1. Certified Engines Unlimited 2. Part 145 CRS 3. KG4R309M 4. Frank Neves
GATP	GATP			GATP	Recur	N/A		Signature
2008-08-14 4/29/2008	Superseded by 2009-02-03	11/30/2012	Superseded by AD 2009-02-03.	GATP	Recur	N/A		1. Certified Engines Unlimited 2. Part 145 CRS 3. KG4R309M 4. Frank Neves
GATP	GATP			GATP	Recur	N/A		Signature
2008-19-05 10/20/2008	Superseded by 2009-26-12	11/30/2012	Superseded by AD 2009-26-12.	GATP	Recur	N/A		1. Certified Engines Unlimited 2. Part 145 CRS 3. KG4R309M 4. Frank Neves
GATP	GATP			GATP	Recur	N/A		Signature
2008-14-07 8/14/2008	Superseded by 2011-26-04	11/30/2012	Superseded by AD 2011-26-04.	GATP	Recur	N/A		1. Certified Engines Unlimited 2. Part 145 CRS 3. KG4R309M 4. Frank Neves
GATP	GATP			GATP	Recur	N/A		Signature
GATP		Printed 11/30/2012 9:54:29AM					Page 2 of 11	

FAA AD Number Effective Date	Description	Compiled Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type	3. Cert. Num. 4. Author. By
Manufacturer Textron Lycoming	Category Engine	Model IO-540-C4D5D				Part #: IO-540-C4D5D	Serial #: L-22754-48A
2011-15-10 8/16/2011	Superseded by 2012-03-06	11/30/2012	Superseded by AD 2012-03-06.	Once	N/A	1 Certified Engines Unlimited 2 Part 145 CRS 3 KG4R309M 4 Frank Neves	
GATP	GATP			GATP	Signature:		
94-14-13 L 6/23/1994	Superseded by 95-26-02	11/30/2012	Superseded by AD 95-26-02	Once	N/A	1 Certified Engines 2 FAA Repair Station 3 KG4R309M 4 Frank Neves Jr.	
GATP	GATP			GATP	Signature:		
81-18-04 R2 6/7/1982	Superseded by 96-09-10	11/30/2012	Superseded by AD 96-09-10	Once	N/A	1 Certified Engines 2 FAA Repair Station 3 KG4R309M 4 Frank Neves Jr.	
GATP	GATP			GATP	Signature:		
97-01-03 1/21/1997	Superseded by 97-15-11	11/30/2012	Superseded by AD 97-15-11	Once	N/A	1 Certified Engines 2 FAA Repair Station 3 KG4R309M 4 Frank Neves Jr.	
GATP	GATP			GATP	Signature:		
2009-02-03 2/9/2009	To prevent a lean running engine, which could result in a substantial loss of engine power and subsequent, contd.	11/30/2012	C/W BY O.H C AVSTAR AIRCRAFT ACCESSORIES INC. CERT# V1RR580Y	Recur	N/A	1 Certified Engines Unlimited 2 Part 145 CRS 3 KG4R309M 4 Frank Neves	
GATP	GATP			GATP	Signature:		
96-23-03 12/17/1996	TO PREVENT AN INFILIGHT ENGINE FAILURE DUE TO FUEL STARVATION, WHICH COULD RESULT IN A FORCED LANDING	11/30/2012	AERO ACCESSORIES, INC. CRS# YV4R688M	Once	N/A	1 Certified Engines 2 FAA Repair Station 3 KG4R309M 4 Frank Neves Jr.	
GATP	GATP			GATP	Signature:		

FAA AD Number Effective Date	Description	Compiled Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type	3. Cert. Num. 4. Author. By
Manufacturer Textron Lycoming	Category Engine	Model IO-540-C4D5D				Part #: 10-540-C4D5D	
2012-03-06 C 2/24/2012	To prevent an in-flight engine shutdown due to a failed fuel servo diaphragm, and damage to the airplane	11/30/2012	C/W BY O.H.C AVSTAR AIRCRAFT ACCESSORIEC INC CERT# V1RR580Y	Once	N/A	1 Certified Engines Unlimited 2 Part 145 CRS 3 KG4R309M 4 Frank Neves	
CATP	CATP			CATP	N/A	Signature	
78-23-10 11/7/1978	TO PREVENT AN IN-FLIGHT POWER LOSS DUE TO AN OVER RICH CONDITION, CONTD.	11/30/2012	C/W BY O.H.C AVSTAR AIRCRAFT ACCESSORIEC INC CERT# V1RR580Y	Once	N/A	1 Certified Engines 2 FAA Repair Station 3 KG4R309M 4 Frank Neves Jr	
CATP	CATP			CATP	N/A	Signature	
79-04-05 9/26/1979	TO PREVENT AN IN-FLIGHT POWER LOSS DUE TO THE SEPARATION OF THE P/N 2529192 REGULATOR DIAPHRAGM STEM ASSEMBLY	11/30/2012	C/W BY O.H.C AVSTAR AIRCRAFT ACCESSORIEC INC CERT# V1RR580Y	Once	N/A	1 Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr	
CATP	CATP			CATP	N/A	Signature	
2002-12-07 7/3/2002	To prevent complete loss of engine oil and subsequent seizing of the engine and possibility of fire, contd.	11/30/2012	C/W BY new gasket P/N 06B23072 in accordance with Textron Lycoming Service Instruction No. 1453	Recur	N/A WITH P/N 06B23072	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr	
CATP	CATP			CATP	N/A	Signature	
98-17-11 C 10/19/1998	TO PREVENT CRANKSHAFT FAILURE DUE TO CRACKING, WHICH COULD RESULT IN AN INFLIGHT ENGINE FAILURE AND POSSIBLE, CONTD.	11/30/2012	crankshafts NOT repaired by Nelson Balancing Service, Bedford, Massachusetts Repair Station Certificate No. NB7R820J.	Once	N/A	1 Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr	
CATP	CATP			CATP	N/A	Signature	
2002-19-03 9/20/2002	To prevent crankshaft failure, which could result in total engine power loss, in-flight engine failure and, contd.	11/30/2012	C/W CRANKSHAFTS/N V9731 NOT IN Lycoming Mandatory Service Bulletin (MSB) No. 552	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr	
CATP	CATP			CATP	N/A	Signature	

FAA AD Number Effective Date	Description	Compiled Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By
<b>Manufacturer</b> Textron Lycoming	<b>Category</b> Engine	<b>Model</b> IO-540-C4D5D			<b>Part #:</b> IO-540-C4D5D <b>Serial #:</b> L-22754-48A	
2007-04-19 R1 5/7/2007	To prevent cylinder separation that can lead to engine failure, possible engine compartment fire, and,contd.	11/30/2012	Superior Air Parts, Inc cylinder assemblies NOT INSTALLED AT TIME OF ENGINE OVERHAUL.	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Signature:	
95-26-02 1/24/1996	TO PREVENT DETONATION DUE TO LOW OCTANE, WHICH CAN RESULT IN SEVERE ENGINE DAMAGE AND SUBSEQUENT FAILURE	11/30/2012	N/A "N" NUMBER	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Signature:	
95-07-01 4/12/1995	TO PREVENT ENGINE FAILURE DUE TO CONNECTING ROD BOLT FAILURE, WHICH COULD RESULT IN DAMAGE TO OR LOSS,CONTD.	11/30/2012	N/A PART NUMBER	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Signature:	
2005-19-11 10/21/2005	To prevent failure of the crankshaft, which could result in total engine power loss, in-flight failure, and,contd.	11/30/2012	C/W CRANKSHAFTS/N V9731 NOT IN Lycoming Mandatory Service Bulletin (MSB) No. 566,	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Signature:	
2006-20-09 11/3/2006	To prevent failure of the crankshaft, which will result in total engine power loss, in-flight engine,contd.	11/30/2012	Superseded by AD 2012-19-01.	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Signature:	
2012-19-01 10/24/2012	To prevent failure of the crankshaft, which will result in total engine power loss, in-flight engine,contd.	11/30/2012	C/W CRANKSHAFTS/N V9731 NOT IN Lycoming Mandatory Service Bulletin (MSB) 569A,Supplement No. 1 to Lycoming MSB No. 569A,	Once	N/A	1. Certified Engines Unlimited 2. Part 145 CRS 3. KG4R309M 4. Frank Neves
©ATP	©ATP			©ATP	Signature:	

Content Revision: 11/21/2012

File ID: IO-540-C4D5D L-22754-48A

Aircraft Registration:

FAA AD Number Effective Date	Description	Compiled Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By
<b>Manufacturer</b> Textron Lycoming	<b>Category</b> Engine	<b>Model</b> IO-540-C4D5D				Part #: IO-540-C4D5D Serial #: L-22754-48A
2002-26-01 1/31/2003	To prevent failure of the fuel injector fuel lines allowing fuel to spray into the engine compartment, resulting, contd.	11/30/2012	Superseded by AD 2008-14-07	Recur	annual inspection, at each 100	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr
©ATP	©ATP			©ATP	Signature:	
2011-26-04 1/25/2012	To prevent failure of the fuel injector fuel lines that would allow fuel to spray into the engine compartment, contd.	11/30/2012	BY INSPECTION OF fuel injector fuel lines in accordance with Textron Lycoming SB No. 342F	Recur	N/A	1. Certified Engines Unlimited 2. Part 145 CRS 3. KG4R309M 4. Frank Neves
©ATP	©ATP			©ATP	Signature:	
2005-12-06 7/19/2005	To prevent failure of the magneto impulse coupling assembly and possible engine failure	11/30/2012	OVERHAUL EXECUTIVE ACCESORIES CRS#RL4R96M	Recur	EA 500FIR	1. Certified Engines Unlimited 2. Part 145 CRS 3. KG4R309M 4. Frank Neves
©ATP	©ATP			©ATP	Signature:	
2006-10-21 C2 6/22/2006	To prevent fatigue failure of the connecting rod & possible uncommanded shutdown of the engine	11/30/2012	Engine Components Incorporated (EC) connecting rods NOT INSTALLED AT TIME OF ENGINE OVERHAUL	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Signature:	
66-20-04 8/27/1966	TO PREVENT FURTHER FAILURES OF OIL FILTER ADAPTER GASKET, P/N 74904	11/30/2012	NEW STYLE GASKET	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Signature:	
2004-10-14 C 6/25/2004	To prevent loosening or failure of the crankshaft gear retaining bolt, which may cause sudden engine failure	11/30/2012	C/W by inspecting crankshaft counter bored recess, the alignment dowel, the bolt hole threads, and the crankshaft gear for wear, galling, corrosion, and fretting	Recur	propeller strike	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Signature:	
©ATP						

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Page 6 of 11

Content Revision: 11/21/2012		File ID: IO-540-C4D5D L-22754-48A		Aircraft Registration:			
FAA AD Number Effective Date	Description	Compiled Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type	3. Cert. Num. 4. Author. By
Manufacturer Textron Lycoming	Category Engine	Model IO-540-C4D5D				Part #: IO-540-C4D5D	
2009-26-12 2/4/2010	To prevent loss of engine power due to cracks at the head-to-barrel interface and possible engine failure, contd.	11/30/2012	ECI cylinder assemblies NOT INSTALLED AT TIME OF ENGINE OVERHAUL	Recur	N/A	1. Certified Engines Unlimited 2. Part 145 CRS 3. KG4R309M 4. Frank Neves	
CATP	CATP			CATP	Signature		
2006-12-07 7/11/2006	To prevent loss of engine power due to cracks in the cylinder assemblies & possible engine failure caused, contd.	11/30/2012	ECI cylinder assemblies NOT INSTALLED AT TIME OF ENGINE OVERHAUL	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.	
CATP	CATP			CATP	Signature		
96-09-10 C 7/15/1996	TO PREVENT OIL PUMP FAILURE DUE TO IMPELLER FAILURE, WHICH COULD RESULT IN AN ENGINE FAILURE	11/30/2012	C/W Lycoming Textron SB No. 454B, Lycoming Textron SB No. 455D, AND Textron Lycoming SB No. 524	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.	
CATP	CATP			CATP	Signature		
75-08-09 R(3) 8/18/1977	TO PREVENT OIL PUMP FAILURES, INSPECT, REPLACE AND ASSEMBLE THE OIL PUMP DRIVE SHAFT AND DRIVE IMPELLER	11/30/2012	new style oil pump drive shaft and drive impeller at overhaul	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.	
CATP	CATP			CATP	Signature		
92-12-05 7/10/1992	TO PREVENT PISTON PIN FAILURE, OR PISTON RELEASE, AND ENGINE FAILURE	11/30/2012	C/W Textron Lycoming Service Bulletin (SB) No. 501, Revision B.	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.	
CATP	CATP			CATP	Signature		
97-15-11 8/12/1997	TO PREVENT PISTON PIN FAILURE, WHICH COULD RESULT IN ENGINE FAILURE	11/30/2012	C/W Textron Lycoming Mandatory Service Bulletin (SB) No. 527C,	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.	
CATP	CATP			CATP	Signature		

FAA AD Number Effective Date	Description	Compiled Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By
Manufacturer Textron Lycoming	Category Engine	Model IO-540-C4D5D				Part #: IO-540-C4D5D Serial #: L-22754-48A
75-09-15 4/30/1975	TO PREVENT POSSIBLE FUEL STARVATION TO THE ENGINE	11/30/2012	C/W BY O.H.C AVSTAR AIRCRAFT ACCESSORIES INC. CERT# V1RR580Y	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Signature:	
87-10-06 R1 9/1/1989	TO PREVENT POSSIBLE ROCKER ARM FAILURE AND LOSS OF ENGINE POWER, INSPECT AND REWORK OR REPLACE ROCKER ARM, CONTD.	11/30/2012	By inspecting and rework or replace rocker arm assembly	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Signature:	
2003-14-03 8/14/2003	To prevent rotary fuel pump leaks, which could result in an engine failure, engine fire, and damage to or, contd.	11/30/2012	N/A ROTARY FUEL PUMP	Recur	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Signature:	
2004-05-24 C 3/30/2004	To prevent the loss of all engine power and possible forced landing	11/30/2012	N/A MODEL	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
©ATP	©ATP			©ATP	Signature:	

FAA AD Number Effective Date	Description	Compiled Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type	3. Cert. Num. 4. Author. By
<b>Manufacturer</b> Teledyne Continental	<b>Category</b> Magnelos	<b>Model</b> D-3200 SERIES				Part #: 10-682560-11	
81-12-06 R1 11/12/1981	TO DETECT LOOSE DISTRIBUTOR GEAR ROTATING ELECTRODES ON MAGNETOS	11/30/2012	OVERHAUL EXECUTIVE ACCESORIES CRS#RL4R96M	Recur	N/A	1 Certified Engines 2. FAA Repair Station 3 KG4R309M 4 Frank Neves Jr.	
©ATP	©ATP			©ATP	Signature:		
2005-12-06 7/19/2005	To prevent failure of the magneto impulse coupling assembly and possible engine failure	11/30/2012	OVERHAUL EXECUTIVE ACCESORIES CRS#RL4R96M	Recur	EA 500 HRS	1. Certified Engines 2. FAA Repair Station 3 KG4R309M 4. Frank Neves Jr.	
©ATP	©ATP			©ATP	Signature:		

FAA AD Number Effective Date	Description	Compiled Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Num. 3. Cert. Type 4. Author. By
Manufacturer	Category	Model	Part #: 2624054-11 Serial #: 37202			
Bendix Corporation		Fuel Injected System				
79-26-03 12/26/1979	REGULATOR STEM AND LOCK	11/30/2012	Superseded by AD 2009-02-03.	Once	N/A	1 Certified Engines 2 FAA Repair Station 3 KG4R309M 4 Frank Neves Jr.
CATP	CATP			CATP	Signature	
2008-06-51 E 3/12/2008	Superseded by 2008-08-14	11/30/2012	Superseded by AD 2008-08-14.	Recur	N/A	1 Certified Engines Unlimited 2 Part 145 CRS 3.KG4R309M 4. Frank Neves
CATP	CATP			CATP	Signature	
2008-08-14 4/29/2008	Superseded by 2009-02-03	11/30/2012	Superseded by AD 2009-02-03.	Recur	N/A	1.Certified Engines Unlimited 2. Part 145 CRS 3.KG4R309M 4. Frank Neves
CATP	CATP			CATP	Signature	
73-10-02 5/16/1973	TO DETECT DEFECTIVE DIAPHRAGM ASSEMBLIES	11/30/2012	C/W BY O.H.C AVSTAR AIRCRAFT ACCESSORIES INC. CERT# V1RR580Y	Recur	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.
CATP	CATP			CATP	Signature	
79-21-08 10/24/1979	TO PREVENT A FUEL FLOW CUTOFF TO THE ENGINE AND SUBSEQUENT LOSS OF POWER	11/30/2012	C/W BY O.H.C AVSTAR AIRCRAFT ACCESSORIES INC. CERT# V1RR580Y	Once	N/A	1.Certified Engines 2. FAA Repair Station 3. KG4R309M 4 Frank Neves Jr.
CATP	CATP			CATP	Signature	
2009-02-03 2/9/2009	To prevent a lean running engine, which could result in a substantial loss of engine power and subsequent, contd.	11/30/2012	Superseded by AD 2009-02-03.	Recur	N/A letter "G" onto the face	1. Certified Engines Unlimited 2. Part 145 CRS 3. KG4R309M 4. Frank Neves
CATP	CATP			CATP	Signature	

CATP

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Page 10 of 11

FAA AD Number Effective Date	Description	Compiled Date Time	Amendment Number Method of Compliance/Applicability	Person Responsible			1. Facility 2. Cert. Type	3. Cert. Num. 4. Author. By
				Once or Recur	Next Due Date Time	Part #: 2524054-11 Serial #: 37202		
Manufacturer Bendix Corporation	Category Fuel Injected System	Model RSA-5AD1						
2012-03-06 C 2/24/2012	To prevent an in-flight engine shutdown due to a failed fuel servo diaphragm, and damage to the airplane	11/30/2012	C/W BY O H C AVSTAR AIRCRAFT ACCESSORIES INC CERT# V1RR580Y AT TIME OF ENGINE OVERHAUL	Once	N/A	1 Certified Engines Unlimited 2. Part 145 CRS 3 KG4R309M 4 Frank Neves		
CATP	CATP			CATP	Signature			
Manufacturer Aero Accessories	Category Fuel Pumps	Model Any Model					Part #: LW15473 Serial #: 986304	
92-20-07 L 10/5/1992	Superseded by 93-05-21	11/30/2012	This AD has been superseded by AD 93-05-21 as of 05/OCT/92	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.		
CATP	CATP			CATP	Signature			
93-05-21 L 3/26/1993	Superseded by 93-11-11	11/30/2012	Superseded by AD 93-11-11.	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.		
CATP	CATP			CATP	Signature			
93-11-11 6/21/1993	TO PREVENT DISRUPTION OF FUEL FLOW TO THE ENGINE, WHICH CAN RESULT IN A LOSS OF ENGINE POWER	11/30/2012	AERO ACCESSORIES, INC. CRS# YV4R688M	Once	N/A	1. Certified Engines 2. FAA Repair Station 3. KG4R309M 4. Frank Neves Jr.		
CATP	CATP			CATP	Signature			
CATP								

