

LYCOMING**Record of Accessories and Major Parts Shipped with Engine**Model No: **Y10-360-EXP293**Serial No: **EL-39110-51E**ENPL: **ATC-RT2E0487**Order No: **ATC787468**TC No: **N/A**Date: **01-MAR-2022**

Inspector:

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All accessories listed are 0 (zero) time since New or 0 (zero) time since Overhaul. All accessories are new unless part number is succeeded by -85 or -70

<u>Part Name</u>	<u>Part Number</u>	<u>Manufacture</u>	<u>Serial#</u>	<u>Setting</u>
Crankcase Match No	11B20161-1SL		BB15775	
Crankshaft Serial No	13B47120		V537984812	
Cylinder 1	T-11674-Y		52218564-052	
Cylinder 2	T-11674-Y		53218564-010	
Cylinder 3	T-11674-Y		52218564-057	
Cylinder 4	T-11674-Y		52218564-056	
Fuel Pump	62B23702	Aero	OUKG18	
Injector	61J29433-Y	Avstar	AV53190983	AVX3015002-1
Magneto - Left	66K28848-Y	E-MAG	7635	
Magneto - Right	66K28848-Y	E-MAG	7707	
Manifold Assy	63B29441-Y	Avstar	AV54921760	
Spark Plug	69E28850-Y	E-MAG		
Starter	31A22104	Hartzell	H-V112321	

Std Run-in Data Sheet

Engine #: EL-39110-51E	Model #: Y10-360-EXP293	Order #: ATC787468	Preservation: LPS 486
Operator 1: A. Lauer	Accept/Date: <u>Alan Se</u>	Test Mode: Final	Part 3.2 Test
Operator 2:	Accept/Date: <u>2-23-22</u>	BOM: ATC-RT2E0487	Sign: <u>[Signature]</u>
Fuel Serial #: AV53190983	Ignition Left: 7635	Ignition Right: 7707	SW Rev: LSW20001-A ICY
Fuel Slave: NO	Ignit_L Slave: NO	Ignit_R Slave: NO	Barometer: 29.4
Fuel Curve: C-13070-F	Float Bowl Connected to Fuel Pump Inlet: YES	Setting #: AVX3015002-1	Read Time: 2/23/22 08:41
Pre-Oil Temp: 165	Pre-Oil Pres: 85	ETS Rev: ECO-27462	Test Status: Pass
ETS #: 641		Date/Time: 2/23/22 07:43	

Comments

Variations

The following minor variations to the applicable engine test specification were observed during this test and determined to be acceptable 'as is'. The acceptance of these variations will not affect air worthiness or performance.

1) Nozzle @ AF 900 .7 Hg Cal

2) Nozzle @ AF 1000 .416 Hg Cal

3) _____

4) _____

Engr. [Signature] Date 2/23/22

When / Test	Low Limit	Value	High Limit	Status
15 Runin @ 1500 for 5 min				
Allowable Speed Variation (RPM)	-75	6.6	75	Pass
Cylinder Head Temperature (DegF)		346.7	500	Pass
Inlet Air Temp (DegF)	0	62.9	110	Pass
18 Runin @ 1800 for 10 min				
Allowable Speed Variation (RPM)	-75	2	75	Pass
Cylinder Head Temperature (DegF)		383.2	500	Pass
Inlet Air Temp (DegF)	0	63.8	110	Pass
21 Runin @ 2200 for 10 min				
Allowable Speed Variation (RPM)	-75	4.7	75	Pass
Cylinder Head Temperature (DegF)		435.2	500	Pass
Inlet Air Temp (DegF)	0	64.3	110	Pass
30 MagChk @ 2200 for 1 min				
Magneto Dropoff - Each Mag (RPM)		63.6	150	Pass
Magneto Dropoff - Difference (RPM)		20.6	35	Pass
Cylinder Head Temperature (DegF)		444.8	500	Pass
Inlet Air Temp (DegF)	0	65.2	110	Pass
34 Idle @ 0 for 4 min				
Idle Speed (RPM)	600	666.2	700	Pass
Cylinder Head Temperature (DegF)		307.1	500	Pass
Oil Pressure @ Idle (PSI)	25	50.1		Pass
Inlet Air Temp (DegF)	0	65.3	110	Pass

Std Airflow Data Sheet

Engine # : EL-39110-51E	Model # : Y10-360-EXP293	Order # : ATC787468
Operator 1: A. Lauer	Accept/Date : <u>Mike S</u>	Test Mode : F final
Operator 2:	Accept/Date : <u>2-23-22</u>	BOM : ATC-RT2E0487
Fuel Serial # : AV53190983	Ignition Left : 7635	Ignition Right : 7707
Fuel Slave : NO	Ignit_L Slave : NO	Ignit_R Slave : NO
Fuel Curve: C-13070-F	Float Bowl Connected to Fuel Pump Inlet : YES	SW Rev : LSW20001-A LCY
Pre-Oil Temp : 165	Pre-Oil Pres : 85	Setting # : AVX3015002-1
ETS # : 641	ETS Rev : ECO-27462	Date/Time : 2/23/22 08:50
		Read Time : 2/23/22 09:34
		Test Status: Review

Comments

Variations

The following minor variations to the applicable engine test specification were observed during this test and determined to be acceptable 'as is'. The acceptance of these variations will not affect air worthiness or performance.

1) _____
 2) _____
 3) _____
 4) _____
 Engr. _____ Q.C. _____ Date _____

When / Test	Low Limit	Value	High Limit	Status
38 Airflow @ AF-700 for 4 min				
Fuel Flow Limits (PPH)	58.6	64.78	66.1 @ AF-701	Pass
Fuel Nozzle Limits ("HG)	N/A	6.52	N/A	Pass
Cylinder Head Temperature (DegF)		422.4	500	Pass
Inlet Air Temp (DegF)	0	65.4	110	Pass
40 Airflow @ AF-900 for 4 min				
Fuel Flow Limits (PPH)	74.5	81.63	83.0 @ AF-900	Pass
Fuel Nozzle Limits ("HG)	10.6	9.9	11.8 @ AF-900	Review
Cylinder Head Temperature (DegF)		448	500	Pass
Inlet Air Temp (DegF)	0	65.7	110	Pass
42 Airflow @ AF-1000 for 4 min				
Fuel Flow Limits (PPH)	83.1	90.95	92.1 @ AF-1001	Pass
Fuel Nozzle Limits ("HG)	13.1	12.64	14.5 @ AF-1001	Review
Cylinder Head Temperature (DegF)		462.3	500	Pass
Inlet Air Temp (DegF)	0	65.9	110	Pass
46 Rated @ Rated for 15 min				
Rated Speed (RPM)	2650	2714.5	2750	Pass
Manifold Pressure @ Rated ("HG)	26.5	27.64	28.5	Pass
Fuel Pressure @ Rated (PSI)	18	21.4		Pass
Oil Pressure @ Rated (PSI)	75	81.9	85	Pass
Air Flow Limits (PPH)	1029.6	1095.8		Pass
Cylinder Head Temperature (DegF)		463.3	500	Pass
Oil Gallery Temp @ Rated (DegF)	165	180.6	215	Pass
Inlet Air Temp (DegF)	0	66.4	110	Pass
49 Final Idle @ 0 for 4 min				
Idle Speed (RPM)	600	680.9	700	Pass
Cylinder Head Temperature (DegF)		325.7	500	Pass
Oil Gallery Temp @ Final Idle (DegF)	140	173.7	215	Pass
Oil Pressure @ Idle (PSI)	35	46		Pass
Manifold Pressure @ Final Idle (In Hg)	8	14.2	17	Pass
Inlet Air Temp (DegF)	0	67	110	Pass
51 Manual @ N/A for 0 min				
Acceleration Check (sec)	2	4	5	Pass
Idle Cut-off Time (sec)	0	4	5	Pass



			RV-7
QTY	U/M	ITEM	DESCRIPTION
			*Customer owns roll servo (Installed)
			AVIONICS
2		GDU-460	GDU460, GPS Touch Display Only (Americas), 10"
2		GDU-46X-INSTALL	Garmin GDU460/465 (10") Connector/Install Kit
1		GDU-AUX-CONN	Garmin GDU Aux RS232 Connector Kit
1		G3X-CONFIG-MODULE	G3X EFIS Config Module
1		GSU25-CONN	Garmin GSU25 Connector/Install Kit
1		GEA-24B	Garmin GEA24 EIS Engine Monitor Module
1		GEA-24EIS-CONN	Garmin GEA24 Connector/Install Kit
1		G3X-4CYL	G3X Sensor Kit, 4 Cylinder Lyc/Cont
		CREDIT	Credit for RED CUBE (Invoiced and shipped early)
1		G3X-FUEL-PRESS-INJ-02 D...	G3X Fuel Pressure Sensor for Injected Engine, 75 PSIG (011-04202-20)
1		GMC-507	Garmin GMC507 Autopilot Control Panel
1		GMC-507A/P-CONN	Garmin GMC307/507 Connector/Install Kit
1		GAD-29	Garmin GAD29C, ARINC 429 Adapter for G3X
1		GAD-29ARINC-CONN	Garmin GAD29 Connector/Install Kit
1		GNX-375-TRAY	GNX-375 Tray Only
1		GNX-375-BKPLT	GNX-375 Backplate
1		GNX-375/GNC-355-CONN	GNX-375 / GNC-355 Connector Kit
1		GA-CONFIG-MODULE	Config Module (GTN-ALL,GNX-375,GPS-175, GNC-355,GTX-335, GTX-345)
1		GTR-200	GTR-200 Panel Mount Comm radio
1		GTR-20	GTR-20 Remote Comm Radio for G3X Touch
1		GMA-245	GMA-245 Standard Audio Panel
1		G5 EXP Unit only	Garmin G5 EFIS Experimental
1		G5-BATT-VER3	Battery Pack, G5, Ver. 3
1		G5-CONN-KIT-W/LPM	Garmin G5 Installation Kit WITH lightning protection module

QTY	U/M	ITEM	DESCRIPTION
1		GAD-27	Garmin GAD-27
1		GAD-27-CONN	Garmin GAD-27 Connector Kit
1		GDL51R	Garmin GDL51R Sirius XM receiver
1		GDL5XR-CONN	GDL51/52R Connector Kit
1		IBBS-6ah	TCW IBBS 6amp-hour Li-fe-PO4 back-up battery system
1		GD-40 CO Det	Flight Data Systems GD-40 Remote CO detector
		CREDIT	PACKAGE DISCOUNT
			Sub-Total
			HARNESSES
1		HA-G3X	Garmin G3X system wiring harness - includes wiring for LRU's and engine probes/sensors, EGT/CHT leads.
		CREDIT	Credit for previously purchased GMU-11 harness
1		HA-GMC 507 (Controller only)	Garmin GMC-507 controller only* (Already bought servo harnesses
1		HA-ARINC	ARINC Converter ModuleHarness
1		HA-GNX-375	Garmin GNX-375 Harness
2		HA-COM	Comm radio harness
1		HA-AUDIO	Audio Panel Harness
1		HA-G5	Garmin G5/Backup EFIS wire harness
1		HA-GAD27	Garmin GAD-27 Wire Harness
1		HA-GDL5XR	Garmin GDL 50R/51R/52R Wire harness
1		IBBS-HARN-DSUB	TCW d-sub harness for backup battery system
1		HA-ELT	ELT wiring harness
1		HA-INTERCONCT	Labor, interconnecting avionics harnesses together, testing, configuration and interfacing.
1		HA-LACING	Optional Hand Lacing for wire harnesses.
1		HA-DRAWING	Avionics Interconnect Drawing
			PANEL
1		PANEL-DESIGN/CUT	Panel Design and cut.

QTY	U/M	ITEM	DESCRIPTION
1		PANEL-PAINT	Custom painting of instrument panel.
1		PANEL-ENGRAVING	Laser engraving
1		Throttle Bracket-12	Instrument panel throttle bracket, 12" blank
65		PANEL-BUILD	Labor for complete instrument panel build-up. To include: Wiring for switches, breakers, dimmers, Ignition, Indicator Lts, other non-avionics ancillary panel wiring, interfacing, basic programming, software loads, testing, system configurations, assembly/mounting hardware, etc..
			ANCILLARY ITEMS
32		7277-MISC	Klixon circuit breakers
1		Key-Switch-ACS	ACS Keyed Ignition Switch w/ Starter Position A-510-2
2		1-8	SPDT P-Mag test switch 1/4 spade
11		SA-801	SPST TOGGLE, 1/4
1		LT-003	Locking Toggle, DPDT, On/On/On
1		LT-001	Locking Toggle, SPST, On/Off
1		SA-FLAP-SP	SPDT Flap Switch with handle used with VP & GAD-27.
1		GAD27-Dimmer-Kit	3- 10K Dimmer Pot W/Caps. Prewired with 5FT leads
2		SA-TOGA	TO/GA DPST momentary on button switch
1		AVI-Relay	Avionics bus relay
1		USB-AA-REC	DUAL USB panel mount charging receptacle, RECTANGULAR 12-24 VDC. Output: 2 port USB 5V - 2.4A/2.4A
2		Bose-Jack	Bose Headset Install Connector Kit
2		AV-1.25B	Aluminum eye ball air Vent, 1.25" outlet, 2" mounting hole. Black anodized finish
1		POS-12	POS-12 position sensor
1		SHIPPING	Shipping / Insurance
			Out-of-state sale, exempt from sales tax