

20.1

Subject:	Check list engine installation		
Affected engines:	All engines of the following types:		
	L 1700 L 2000 L 2400		
Aircraft:		Registration:	
Propeller:		Serial no.:	
Engine:		Serial no.:	
Running time:	Engine	hours	
	Propeller	hours	
	Airframe	hours	
Operator:			

5 1			
Place of change:			
Date:			

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Note:

Mark checked inspection items with your name. In case of a negative result (defect) or if an inspection still has to be done, mark the appropriate item and explain at the end of the check list (item: objections and comments).

IN ADVANCE OF ASSEMBLY:

1.	Check engine baffles for cracks, deformations or missing fastening parts.	
2.	Check condition of muffler and check for deformation.	
3.	Check engine mount for cracks, deformations or missing fastening parts.	
4.	Check rubber parts of engine mount for deformation or brittle- ness, replace if necessary.	
5.	Check firewall holes for general condition and leaks.	
6.	Check operation of throttle actuator.	
7.	Check operation of cold start actuator.	
8.	Check operation of starter (mechanical actuator).	
9.	Check fuel hose from firewall to engine (note expiration date).	
10.	Check operation of carburetor pre-heat actuator.	
11.	Check operation of heating actuator.	
12.	Check operation of variable pitch airscrew actuator.	
13.	Clean fuel filter.	***************************************
14.	Check battery carrier and acid level of battery.	
ASSEMBLY - MOUNTING		
15.	Fit engine mount according to the instructions of the aircraft manufacturer and secure it - note torque.	
16.	Fit baffles, secure tightening screws.	·
17.	Fit muffler, use new gaskets and self-locking nuts.	
18.	Connect fuel pipe to the pump and secure it.	
19.	Fit push-pull cables, levers and electric leads.	

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43.	Engine f	illed with oil.		
42.	Bearings	for propeller thrust collar do not touch.		
41.	Propelle	r adjustment lever connected and secured.		
40.	Pre-heat	ing hose mounted, hose band clips tighten	ed.	
39.	Heating	hoses mounted, hose band clips tightened		
38.	Carburel	or pre-heating lever connected and secure	ed.	
37.	Choke le	ver connected and secured.		
36.	Full load	stop checked.		
35.	ldle stop	checked.		
34.	Throttle	ever connected and secured.		
33.	Muffler c	onnected and tightened.		
32.	Thermod	couple(s) for cylinder head temperature cor	nnected.	<u>-</u>
31.		eter drive cable connected and tightened.		
30.		of oil-temperature sender connected, tight		
29.		of oil-pressure sender connected, tightene	ed.	
28.		erminal(s) connected and tightened.		
		cuit lead of magneto tightened and secured or terminal(s) connected and tightened.	J.	
26.	_	nount tightened and secured.	4	
CHECKING THE ASSEME	n V			
24.	Check tr	acking of propeller blades.		
23.	Fit prope note tore propeller	ller according to the instructions of the manu que and use new self-locking nuts (varia).	r-facturer, able-pitch	
22.	Check va wear and	ariable-pitch device of propeller for function, l I lubrication.	backlash,	
21.	Check p	ropeller blades for damage.		
20.	Check s	pinner for cracks, dents and impact.		



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OPERATIONAL TEST

44. Engine compartment checke	ed for fo	oreign objects.		
45. Engine cowling filled, missin	g or loc	se connections repla	ced.	
Pressure reading manifold pressu	ıre indic	ator in advance of test	ing operation is	InHg.
Tighten brakes, pull elevator, chec turn out radio and avionics, put pr and ignition.				
Start engine. Turn off electric fue	l pump	after start.		
Check indicators for oil pressure,	engine	speed, charging volt	age and charging cur	rent.
Adjust engine speed to 1500 min	. ⁻¹ , unti	l engine is running tru	e without choke.	
Adjust lever to idle speed, engine	speed	about 800 min. ⁻¹ .		
Read and log the following value	s:			_
				°C
Warm up engine until oil temperat	ure is m	nore than 60° C. Then	read and log the follow	ving values:
Oil pressure at 1000 min1			bar	
Oil pressure at 2500 min1			bar	
Oil temperature at 2500 min			°C	
•			°C °C	
Oil temperature at 2500 min	Cyl. 1 Cyl. 2		°C °C °C	
Oil temperature at 2500 min	Cyl. 1 Cyl. 2 Cyl. 3		°C °C °C	
Oil temperature at 2500 min	Cyl. 1 Cyl. 2 Cyl. 3		°C °C °C	
Oil temperature at 2500 min	Cyl. 1 Cyl. 2 Cyl. 3		°C °C °C	
Oil temperature at 2500 min	Cyl. 1 Cyl. 2 Cyl. 3		°C °C °C	
Oil temperature at 2500 min	Cyl. 1 Cyl. 2 Cyl. 3		°C °C °C	

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Check engine speed indication with calibrated tachometer.

	Speed indication		
motor glider		calibrated tachomete	er
1500 min. ⁻¹			min. ⁻¹
2500 min. ⁻¹			min. ⁻¹
2800 min. ⁻¹			
full speed _	min. ⁻¹		
Manifold pre	essure indication at fu	ıll speed is	InHg.
Idle speed is	s		min1.
Perform coo	oling run (about 2 min	ı. at a speed of 1500 i	mín. ⁻¹).
Turn off eng	jine - turn off ignition	and main switch.	
Remove eng	gine cowling. Check	engine for foreign obj	ects and mount engine cowling.
Perform che	eck flight.		
Engine	oil used		
Viscosi	ity class		
Fuel us	sed		
I hereby cer specification		nal test has been effe	ected according to the above mentioned
Place		Date	
Name of me	echanic		47-9-47-9-47-9-47-9-47-9-47-9-47-9-47-9
Signature			

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	Description		Defect eliminated
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*****		A4-97-01-	, , , , , , , , , , , , , , , , , , , ,
		*#	

			<u> </u>

		arminad that the test and varificat	ion certificates are present and that the engin
he inspector sign	ning below has dete	mined that the test and venical	
ssembly has bee	n noted in the log b	nook.	
assembly has bee This motorglider is	n noted in the log b	ook.	
assembly has bee This motorglider is	n noted in the log b	nook.	
assembly has bee This motorglider is Name	n noted in the log b	nook.	
assembly has bee This motorglider is Name Signature	n noted in the log b	nook.	
assembly has bee This motorglider is Name Signature Approval stamp	en noted in the log b	ook.	
The inspector signassembly has bee This motorglider is Name Signature Approval stamp	n noted in the log best airworthy. This documen	ook.	f our knowledge. In case of doubt, however, onl horitative.