

**50 Hour Inspection Check List**  
**N47601**

**Date:** \_\_\_\_\_ **Tach:** \_\_\_\_\_

**By:** \_\_\_\_\_

<b>Item</b>	<b>Activity</b>	<b>Check</b>	<b>Discrepancies</b>
<b>Flight Invoice</b>	Fill in flight invoice using maintenance for the name. Record starting tach time.		
<b>Pre-Flight</b>	Perform thorough preflight. Note discrepancies.		
<b>Run-Up</b>	Perform normal run-up. Note discrepancies		
<b>Warm-up</b>	Fly one pattern. To the maximum extent possible check comm and nav radios and instruments. Note discrepancies		
<b>Mag Switch</b>	With the engine at minimum idle, momentarily switch the mag switch to 'OFF'. Verify that the engine stops running. Let the engine die.		
<b>Drain Oil</b>	Drain oil sump		
<b>Replace Filter</b>	Lubricate rubber gasket on new filter with old engine oil. Tighten to 18 ft-lb.		
<b>Safety Filter</b>	Install safety wire on new filter		
<b>Close Drain</b>	Close the oil sump drain valve. Wipe any spilled oil from cowling.		
<b>Replace Oil</b>	Fill oil sump with 7 qts of 15W50 oil.		
<b>Check Battery</b>	Remove battery cover plate and check fluid level in each battery cell. Fluid should cover cell plates. Use distilled water if necessary.		
<b>Clearance Lights</b>	Check red, green, and white clearance lights for proper operation.		

<b>Tail Beacon</b>	Verify proper operation of tail strobe.		
<b>Landing Lights</b>	Verify operation of landing light.		
<b>Warning Lights</b>	Verify both wingtip flashing lights are operational.		
<b>Pitot Heat</b>	Verify pitot heat works properly		
<b>Stall Warning</b>	Verify stall warning sounds when stall switch is lifted.		
<b>Tire Pressure</b>	Check tire pressure. 24 psi main and 18 psi nose.		
<b>Brakes</b>	Check brake fluid level.		
<b>Brake Lining</b>	Check for >3/32" lining on each brake shoe on both mains. Less than 3/32" requires near term replacement.		
<b>Engine Run-up</b>	After all above items are completed and checked, start engine, taxi to safe area, and perform a normal runup. After runup return to tiedow area and shut down.		
<b>No Leaks</b>	Check oil filter and sump drain for leaks. If oil is found, correct the problem!		
<b>Logbook</b>	Make the following entry in the engine log: MM/DD/YYYY TTTT.T Oil and filter changed. Serviced with 7 quarts AeroShell 15W50. Run-up and leak check OK. (Signed & Pilot's License #)		
<b>Flight Invoice</b>	Fill in Tach time at end. In comments section indicate oil and filter changed, battery, lights and tires checked. Sign it.		

**Comments:**