

50 Hour Inspection Check List
N30749

Date: _____ **Tach:** _____

By: _____

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

Tail Beacon	Verify proper operation of tail strobe.		
Landing Lights	Verify operation of landing light.		
Warning Lights	Verify both wingtip flashing lights are operational.		
Pitot Heat	Verify pitot heat works properly		
Stall Warning	Verify stall warning sounds when stall switch is lifted.		
Tire Pressure	Check tire pressure. 24 psi main and 18 psi nose.		
Brakes	Check brake fluid level.		
Brake Lining	Check for >3/32" lining on each brake shoe on both mains. Less than 3/32" requires near term replacement.		
Engine Run-up	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.		
No Leaks	Check oil filter and sump drain for leaks. If oil is found, correct the problem!		
Logbook	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 #)		
Flight Invoice	Fill in Tach time at end. In comments section indicate oil and filter changed, battery, lights and tires checked. Sign it.		

Comments: